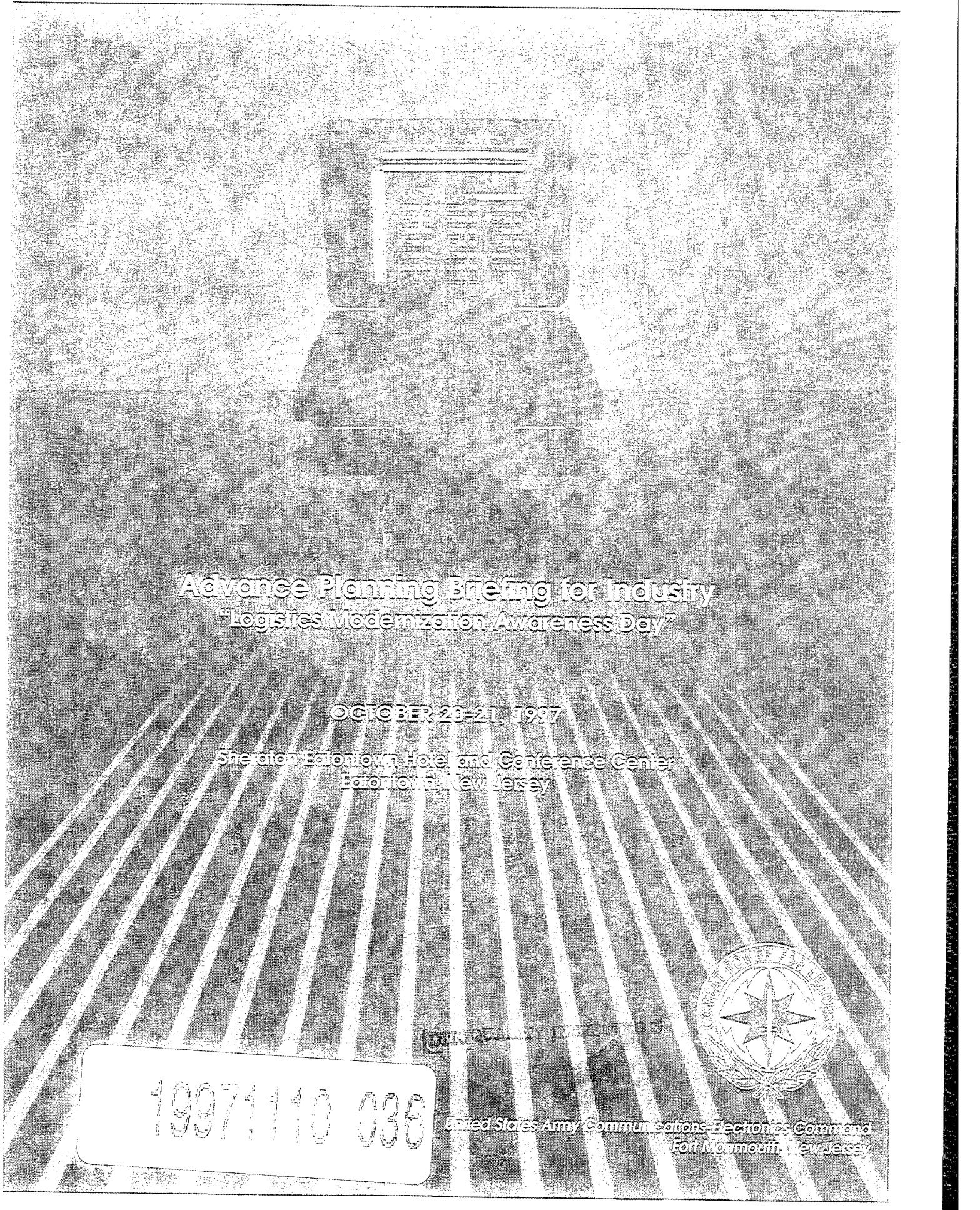


Advance Planning Briefing for Industry
"Logistics Modernization Awareness Day"

OCTOBER 20-21, 1997

Sheraton Bordentown Hotel and Conference Center
Bordentown, New Jersey

19971110 036

United States Army Communications-Electronics Command
Fort Monmouth, New Jersey

NOTICE

This publication contains the briefings presented during this Advance Planning Briefing for Industry (APBI). Following the APBI, you may obtain a Proceedings Book for a minimal fee by contacting the Defense Technical Information Center (DTIC). The telephone number is: (800) 225-3842.

We hope that the above publication proves beneficial to your long-range planning efforts. If you have any additional questions and/or suggestions, please contact the Program Analysis and Evaluation Directorate, AMSEL-PE-OD, ATTN: Mari Aufseeser, (732) 532-5054.

DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND
AND FORT MONMOUTH
FORT MONMOUTH, NEW JERSEY 07703-5000

REPLY TO
ATTENTION OF

Office of the Commanding General

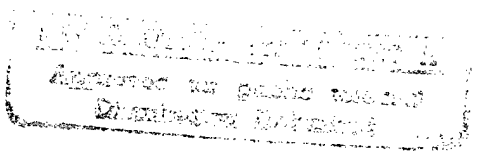
Ladies and Gentlemen,

On behalf of the U.S. Army C41EWS Team, I am pleased to present the proceedings of the Level II Advance Planning Briefing for Industry (APBI) entitled, "Logistics Modernization Awareness Day."

The purpose of this publication is to provide you, our industry partners, with a single compendium of information relative to our objective, goals and general approach to this very important initiative.

The modernization of the Wholesale Logistics System has been identified as one of Army's top priorities. I welcome your participation in this very important project and our APBI Program.

Sincerely,



Gerard P. Brohm
Major General, U. S. Army
Commanding

DISCLAIMER

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The information provided is accurate as of the time of publication, and may be subject to change.

THE OVERALL

CLASSIFICATION OF

THIS PUBLICATION IS

UNCLASSIFIED

ADVANCE PLANNING BRIEFING FOR INDUSTRY

"LOGISTICS MODERNIZATION AWARENESS DAY"

OCTOBER 20-21, 1997
SHERATON EATONTOWN HOTEL AND
CONFERENCE CENTER
EATONTOWN, NEW JERSEY

MEETING CHAIRMAN
MG GERARD P. BROHM
COMMANDING GENERAL, CECOM AND FT. MONMOUTH

AGENDA

MONDAY, OCTOBER 20, 1997

1100-1300	REGISTRATION
1300	ADMINISTRATIVE REMARKS
1305	WELCOMING REMARKS MG Gerard P. Brohm Commanding General, CECOM

MODERNIZING THE DOD LOGISTICS SYSTEM

1315	LOGISTICS IN THE 21st CENTURY Mr. Roy R. Willis Acting Deputy Under Secretary of Defense for Logistics

ADOPTING COMMERCIAL SOLUTIONS FOR MODERNIZATION

1400	LOGISTICS MODERNIZATION MG Gerard P. Brohm
1430	BREAK

AN AMC PERSPECTIVE

1450	US ARMY MATERIEL COMMAND Mr. A. David Mills AMC Principal Deputy for Logistics

FAREWELL TO OLD WAYS

1530	ACQUISITION REFORM INITIATIVES Mr. Kevin Carroll Acting Director, CECOM Acquisition Center

1997 1110 036

DTIC QUALITY INSPECTED 3

ADVANCE PLANNING BRIEFING FOR INDUSTRY

"LOGISTICS MODERNIZATION AWARENESS DAY"

ROUND TABLE - OPEN DISCUSSION

1600 Questions and Answers Session

1700 RECEPTION

TUESDAY, OCTOBER 21, 1997

0800 ADMINISTRATIVE REMARKS

A FUNCTIONAL TOUR OF AMC WHOLESALE LOGISTICS SYSTEMS

0805 AMC's WHOLESALE LOGISTICS SYSTEM
Mr. Michael Ivey
Director, U. S. Army AMCOM Lead AMC Integration Support Office

CENTRAL DESIGN ACTIVITY ORGANIZATION AND TECHNICAL OVERVIEW

0900 LSSC - COMMODITY COMMAND STANDARD SYSTEM
Mr. David Swanson
Director for Business Information Systems
U.S. Army CECOM Logistics Systems Support Center

0945 BREAK

1000 ILSC - STANDARD DEPOT SYSTEM
Mr. William F. O'Mara
Director, U.S. Army CECOM Industrial Logistics Systems Center

INFORMATION TECHNOLOGY TRANSITION ISSUES

1045 INFORMATION TECHNOLOGY TRANSITION ISSUES
Mr. Brad Blau
Senior Systems Engineer
AMC Executive Agent for Information Management
Information Systems Engineering Command, CECOM

1110 Round Table Discussion with Audience Participation
Mr. Brad Blau

1145 CLOSING REMARKS
Mr. Paul Capelli
Leader, Special Project Team, CECOM

1200 ADJOURN

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ADOPTING COMMERCIAL SOLUTIONS FOR MODERNIZATION
- Logistics Modernization 43

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- US Army Materiel Command 59

FAREWELL TO OLD WAYS
- Acquisition Reform Initiatives 81

A FUNCTIONAL TOUR OF ARMY MATERIEL COMMAND (AMC) WHOLESALE LOGISTICS SYSTEMS
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CENTRAL DESIGN ACTIVITY ORGANIZATION AND TECHNICAL OVERVIEW
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Symposium Participants 249

WELCOMING REMARKS

MG GERARD P. BROHM

COMMANDING GENERAL
CECOM

NOTES

MODERNIZING THE DoD LOGISTICS SYSTEM

Logistics in the 21st Century

MR. ROY R. WILLIS

ACTING DEPUTY UNDER SECRETARY OF DEFENSE FOR LOGISTICS

NOTES

Logistics Modernization Awareness Day

Fort Monmouth, NJ

20 October 1997

Roy R. Willis
Acting Deputy Under Secretary
of Defense (Logistics)

97-0180.1

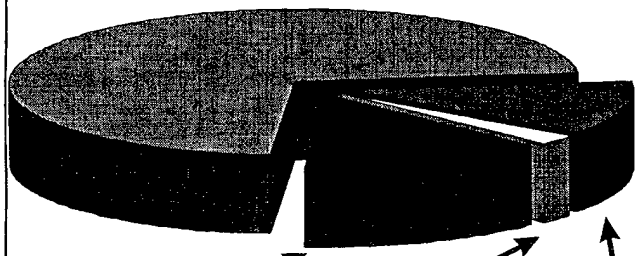
Logistics in the 21st Century

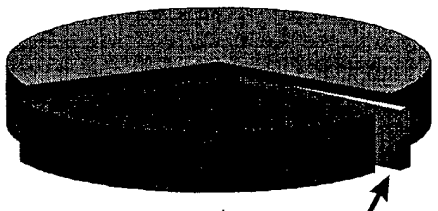
- "Focused" logistics to support agile combat
- Lean infrastructure and workforce
- Optimized business practices based on world-class operations
- **Better utilization of commercial logistics providers**
- **Sustainment costs minimized while maintaining high readiness**
- **Enabled by highly integrated information systems that both control and provide visibility (Readiness and Cost)**

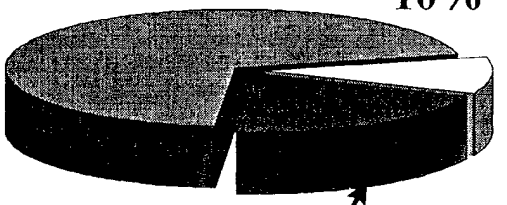
97-0180.2

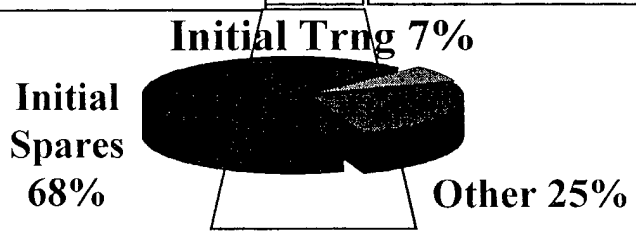
Life Cycle Cost Distribution

Acquisitions Costs 28%	Operations Cost 12%	Logistics Support Costs 60%	
Fabrication - 72%	Personnel - 67%	Investment Costs - 8%	Recurring Support Costs 92%





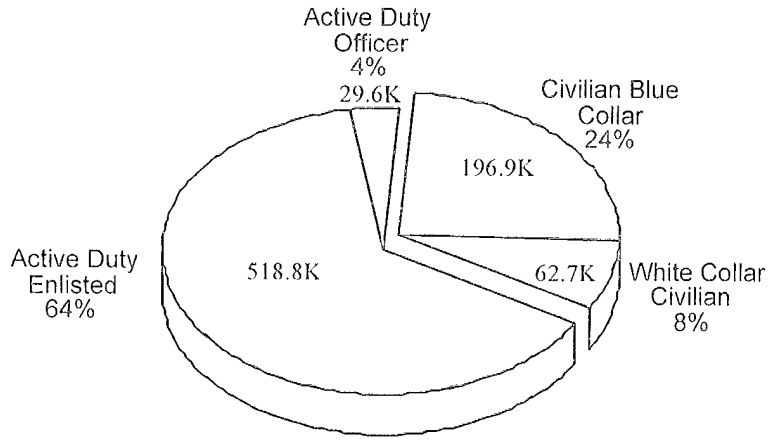




97-0180.3

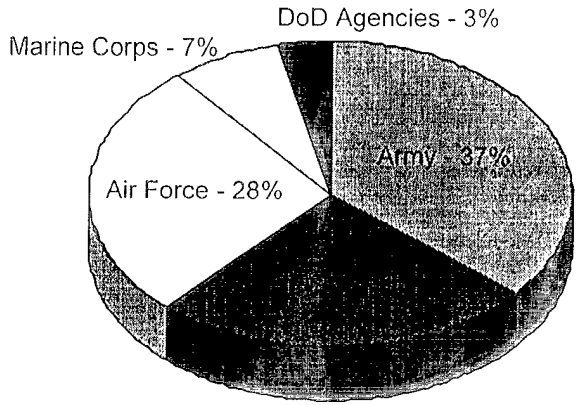
DoD Logistics Personnel

Active Duty & Civilian Logistics Personnel



808,000 Active Duty & Civilian Logistics Personnel

All DoD Logistics Personnel (Active/Civilian/Reserve Component)

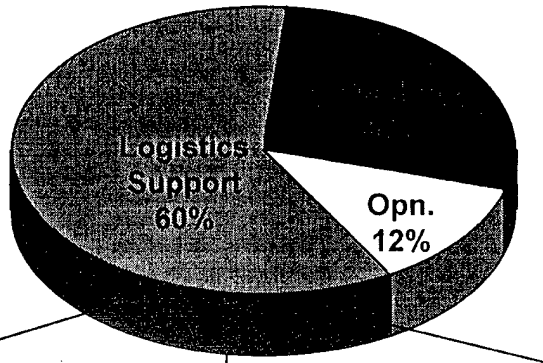


1,136,800 Total Logistics Personnel

Logistics Personnel - 36% of DoD Total

97-0180.4

Logistics Infrastructure Cost Drivers



Fuel

- Fuel requirements impact distribution and training infrastructure
- Consumption driven by design and usage
- Distribution can be impacted to some extent in life cycle

Ammunition

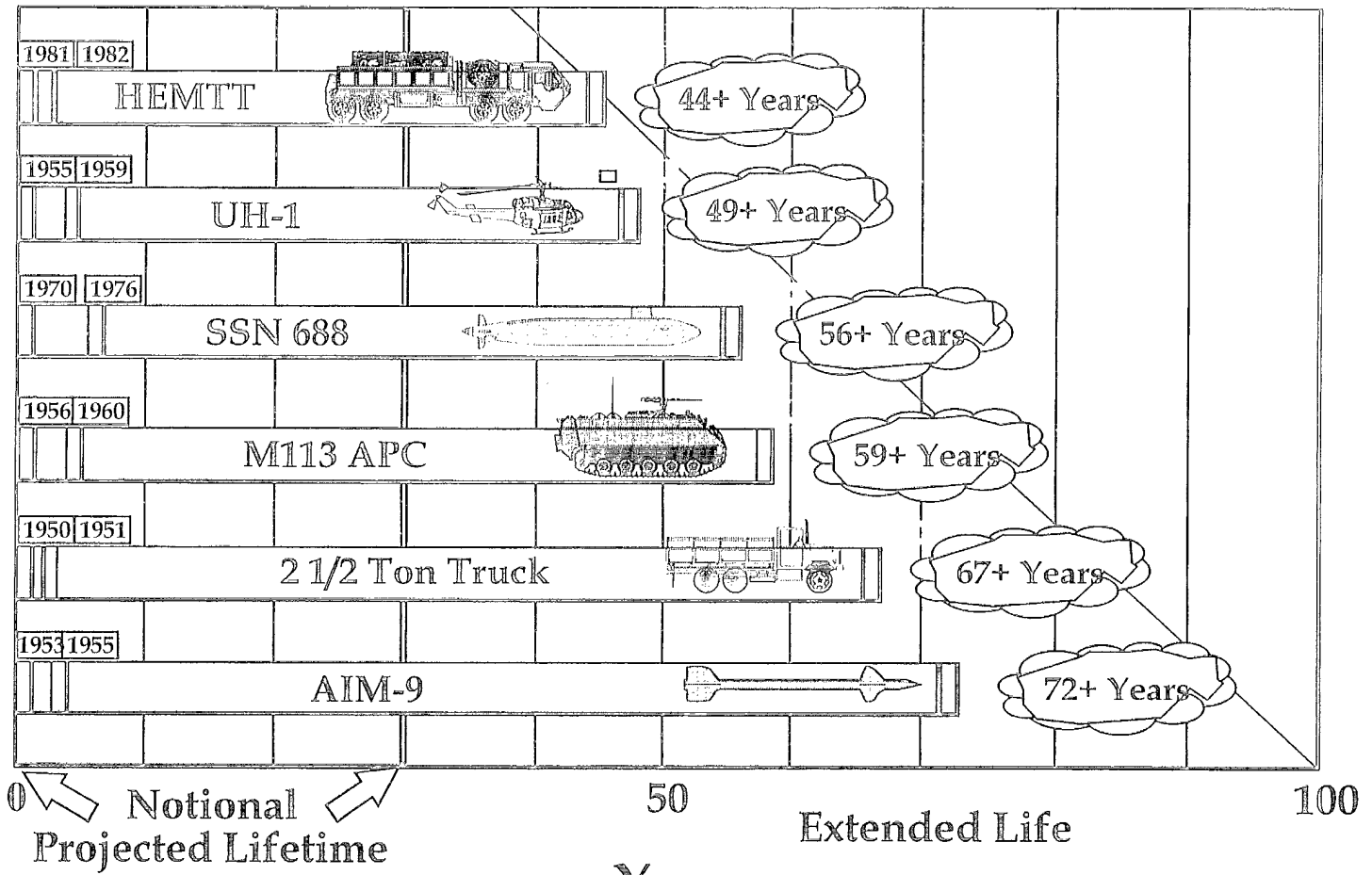
- Lethality drives size of *infrastructure* (industrial base, maintenance, strategic lift, sorties, in theater distribution)
- Lethality is best addressed in design (ie PGMs)
- Can be impacted for new or currently fielded systems

Maintenance

- Failures are primary infrastructure drivers – maintenance, supply, transportation, personnel, DFAS, ICPs, DISA, training requirement, base operations
- Inherent MTBF is best addressed during design
- Currently inserting technology to improve MTBF

97-0180.5

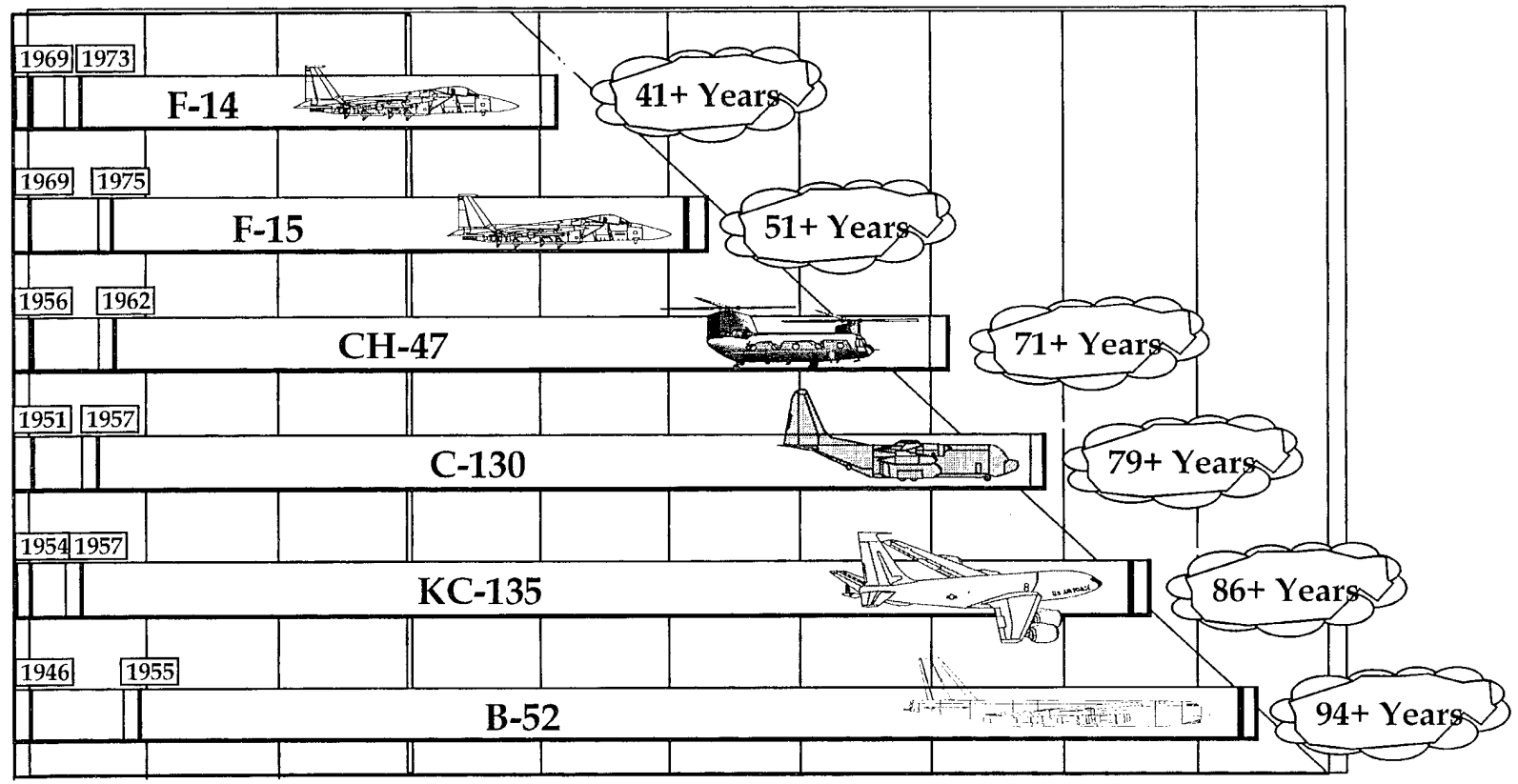
Weapon System Life Cycles



☐ Base Model Program Start ☐ Base Model IOC ☐ Planned Phase Out (Last Model)

97-0180.6

Weapon System Life Cycles



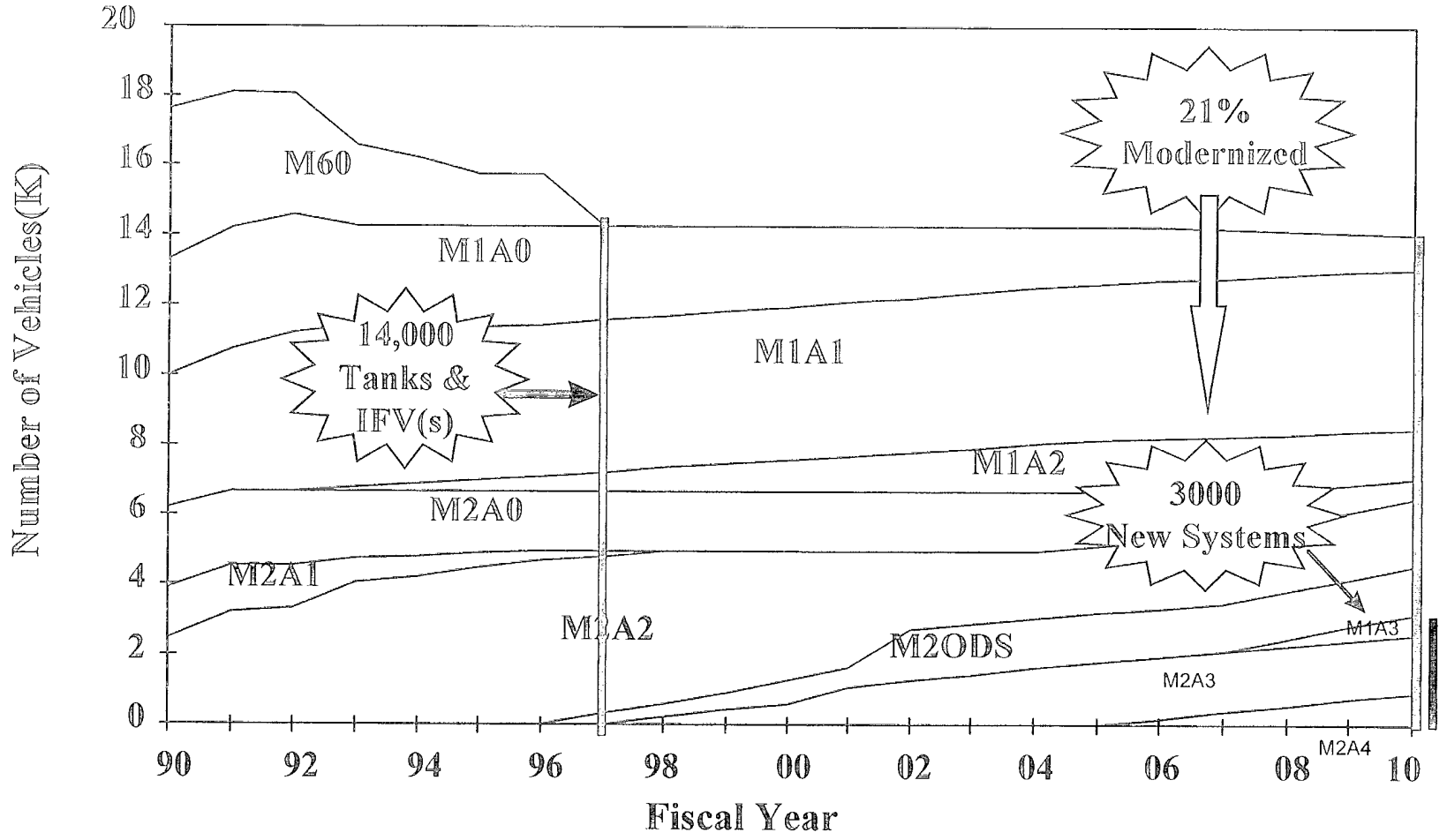
Base Model Program Start

Base Model IOC

Planned Phase Out
(ast Model)

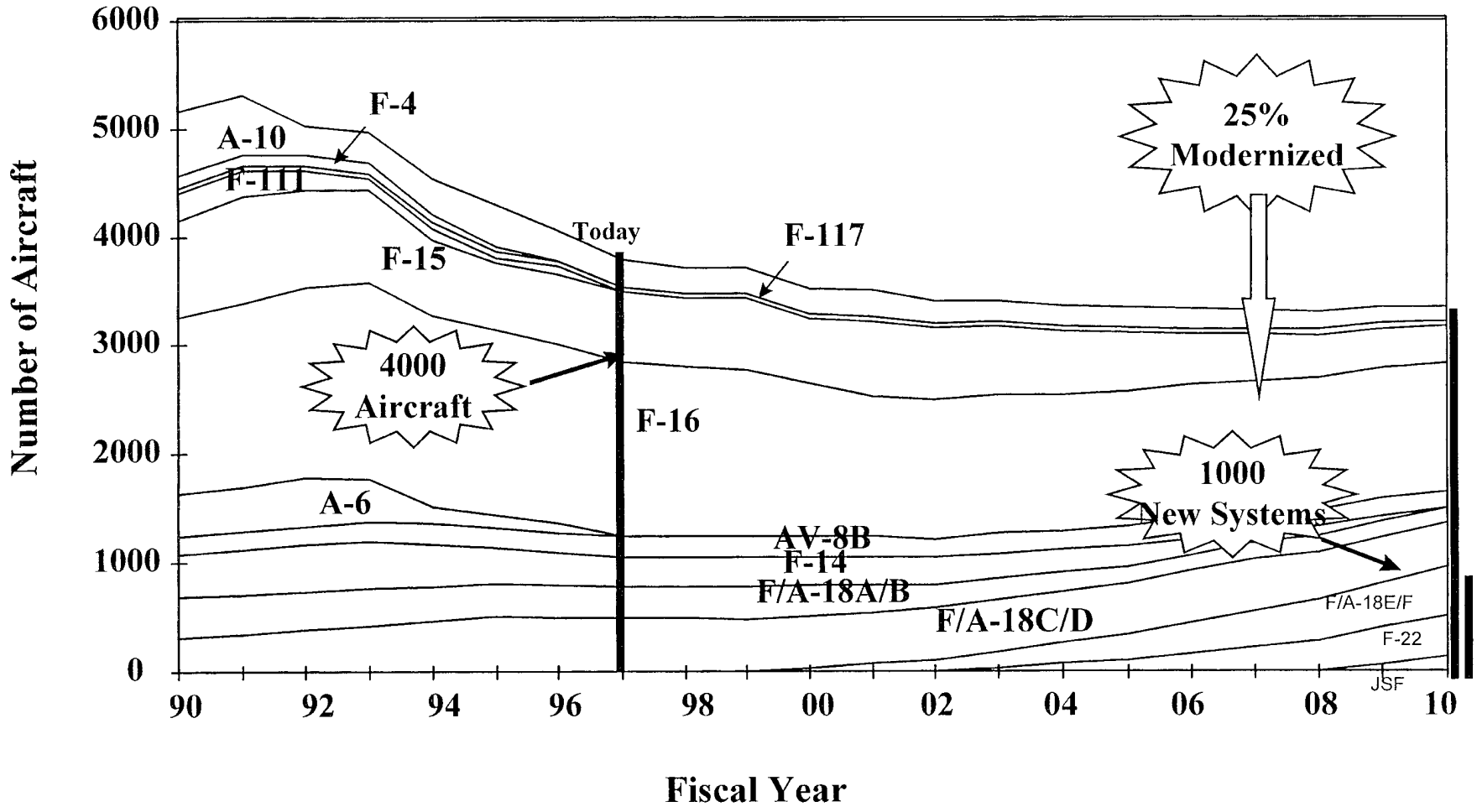
97-0180.7

Tank and IFV Inventory



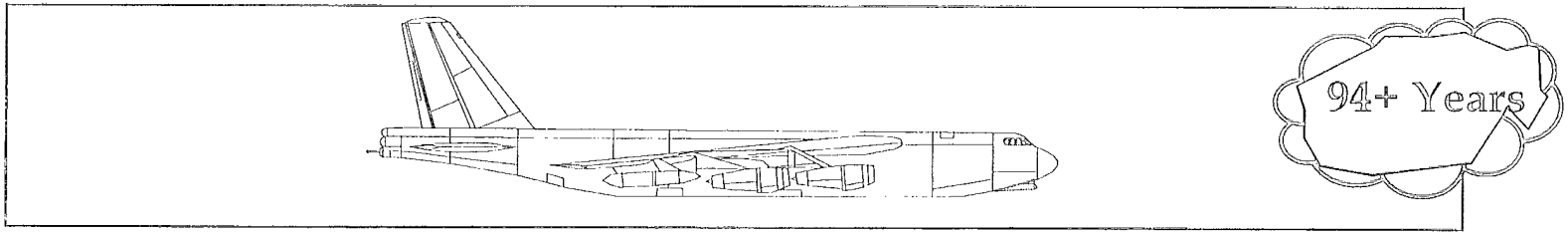
97-0180.8

DoD TacAir Inventory



97-0180.9

B-52 Service Life
Four Generations of Pilots



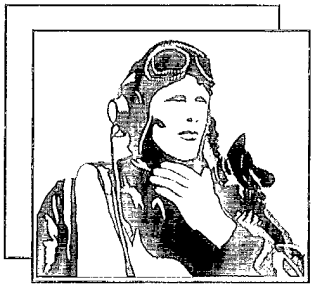
1965
Last B-52 Produced

1990

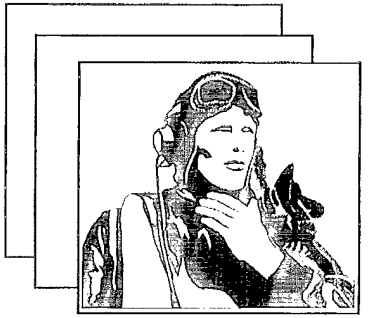
2015

2040 +

Father



Son

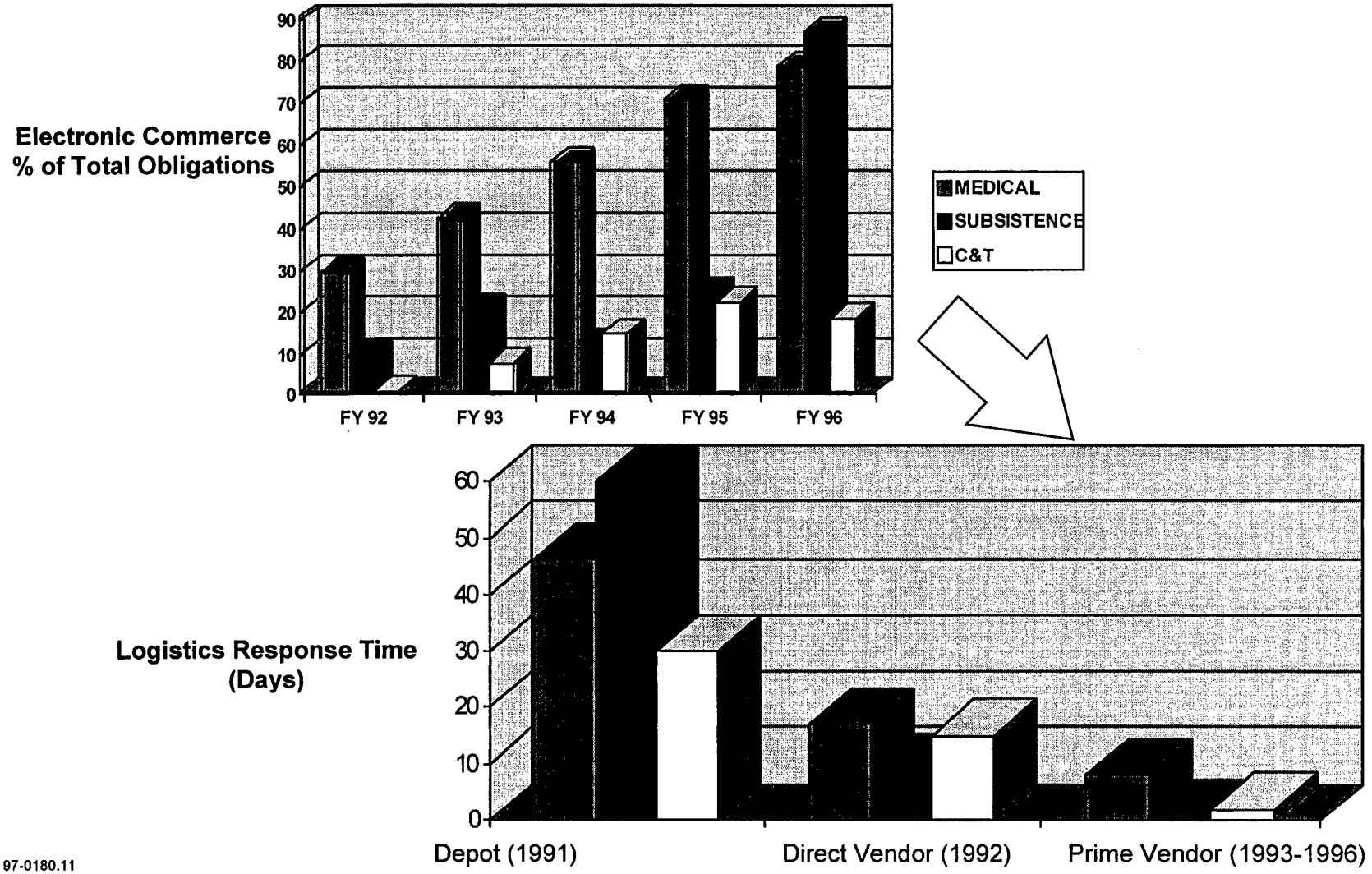


Grandson

Great-Grandson

97-0180.10

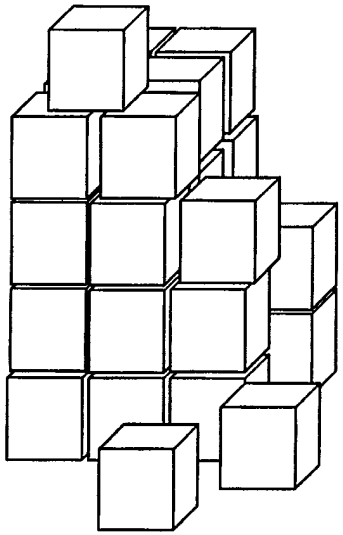
Direct Vendor Delivery (Reducing LRT)



97-0180.11

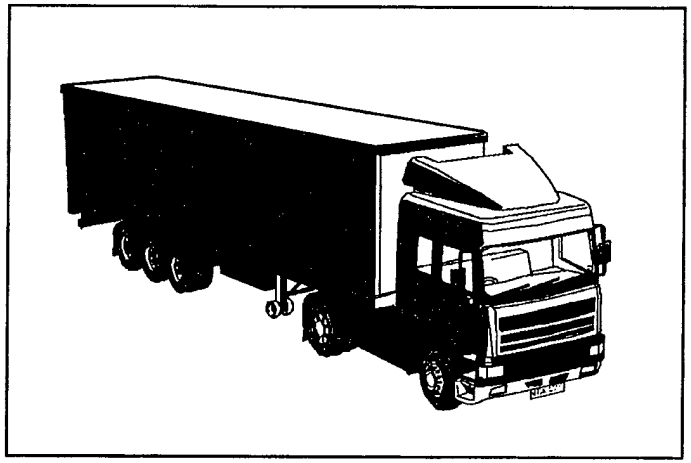
Using Dedicated Deliveries to Reduce Order Ship Time and Inventory

Fort Hood Texas

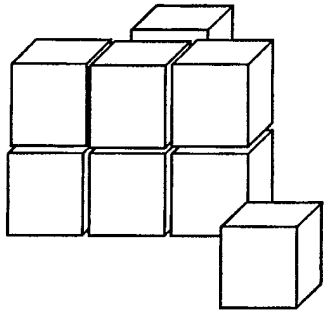


6,469 NSNs
May, 1995

Dedicated Commercial Delivery



2 Day Service



3,257 NSNs
September, 1997

Expanding from Fort Hood success to other bases

Bottom Line

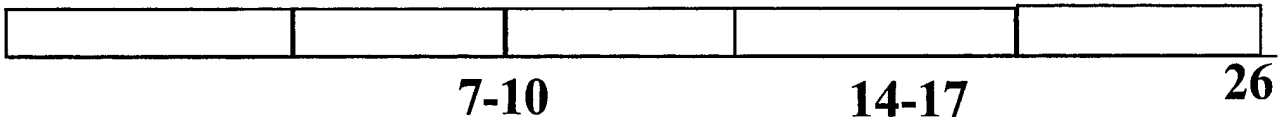
- 50 percent reduction in NSNS
- Reduced transportation costs by $3,300 per week
- Reduced inventory by $8 million

97-0180.12

Order Ship Time (OST)

Today

- Requisition Time
- ICP Time
- Transport Time
- Depot Time
- Receipt Take Up Time



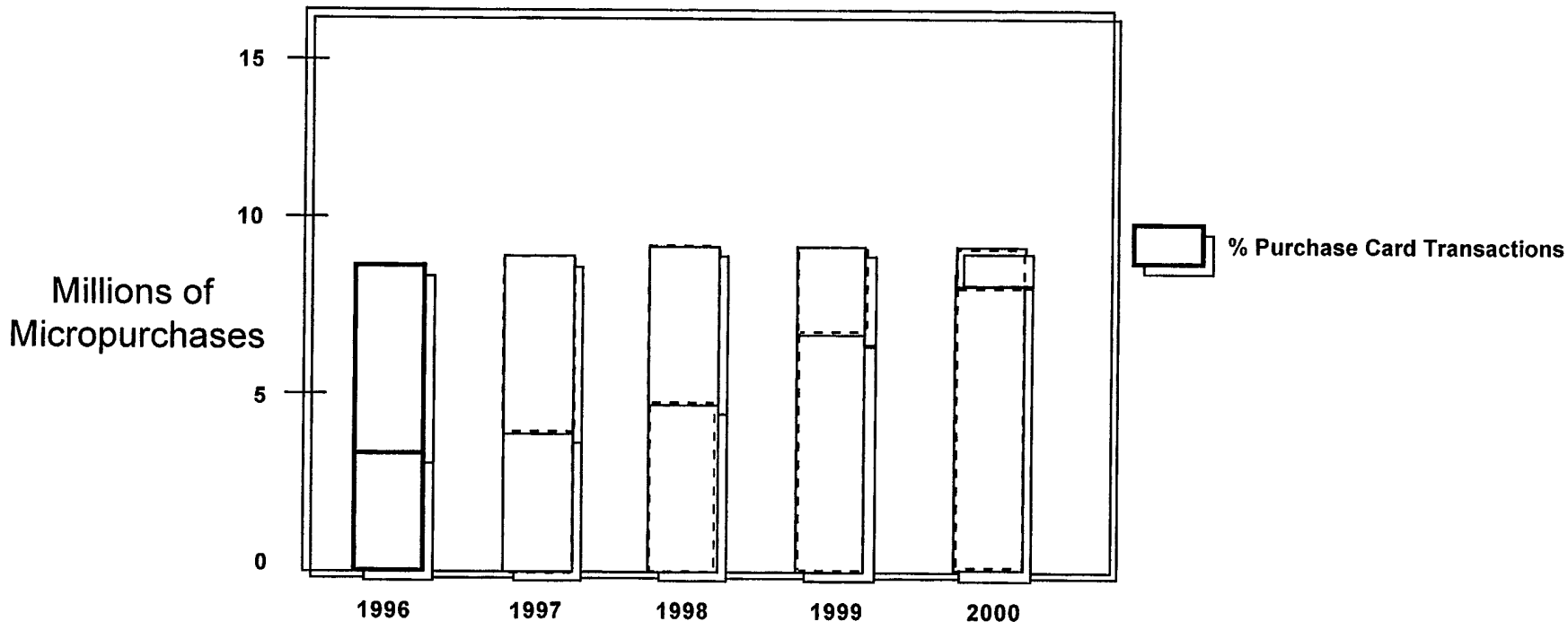
The Future

Reengineering - Looking for order-of-magnitude improvement

- On-line ordering, ITV, DVD etc.
- Flexible manufacturing to reduce . . .
  - -- Administrative lead time
  - -- Production lead time
- Process improvements to reduce repair cycle times in depots
- Joint Total Asset Visibility (JTAV)

97-0180.13

Employing IMPAC Cards

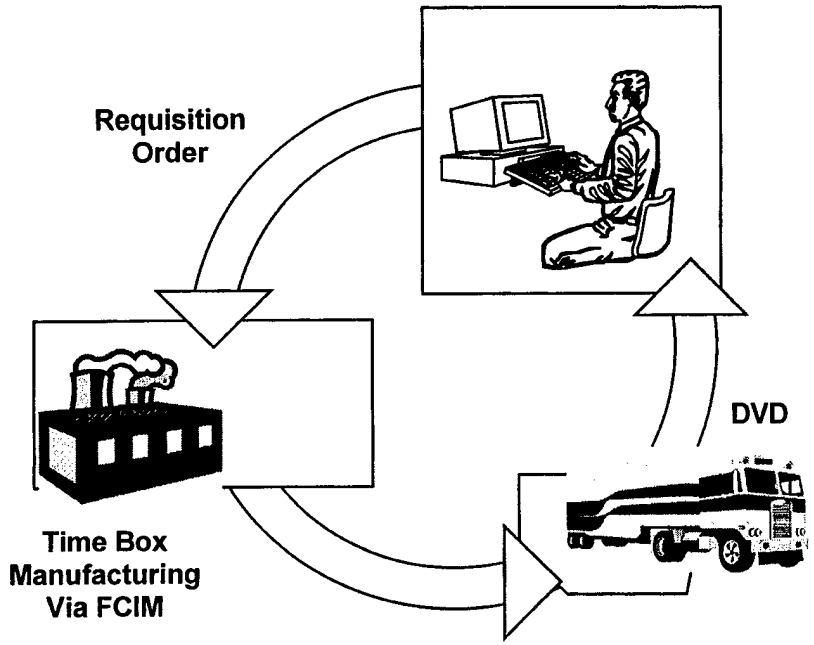


$750.5 million worth of IMPAC Transactions in FY97

Every IMPAC Card Transaction avoids $50 in administrative handling costs

97-0180.14

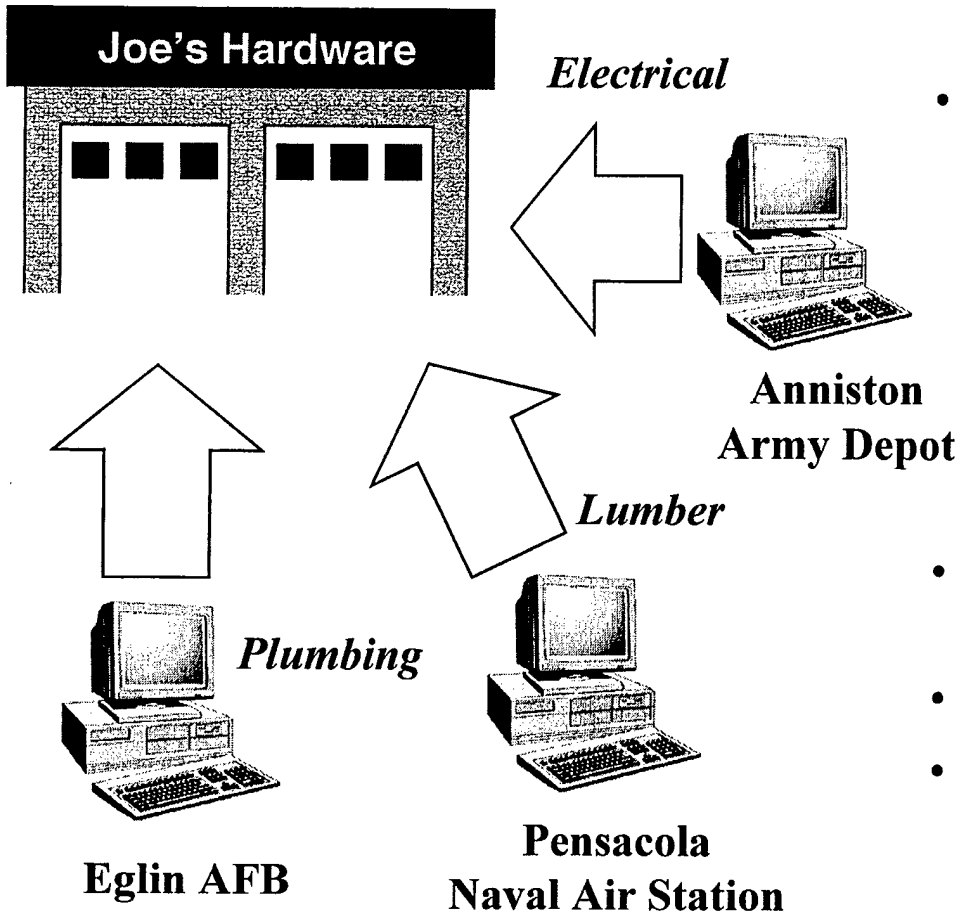
Flexible/On Demand Manufacturing Contracts (Reducing ALT and PALT)



- Contract for thousands of similar NSNs on IDIQ basis
- Items grouped by technology (castings, forgings, machined parts, electronics, etc.)
- Guaranteed minimum volume based on demand histories (include non-demand parts)
- Competitively award multiple long-term contracts (10-15 years) (Time Demand Driven)
- Direct Vendor Delivery

97-0180.15

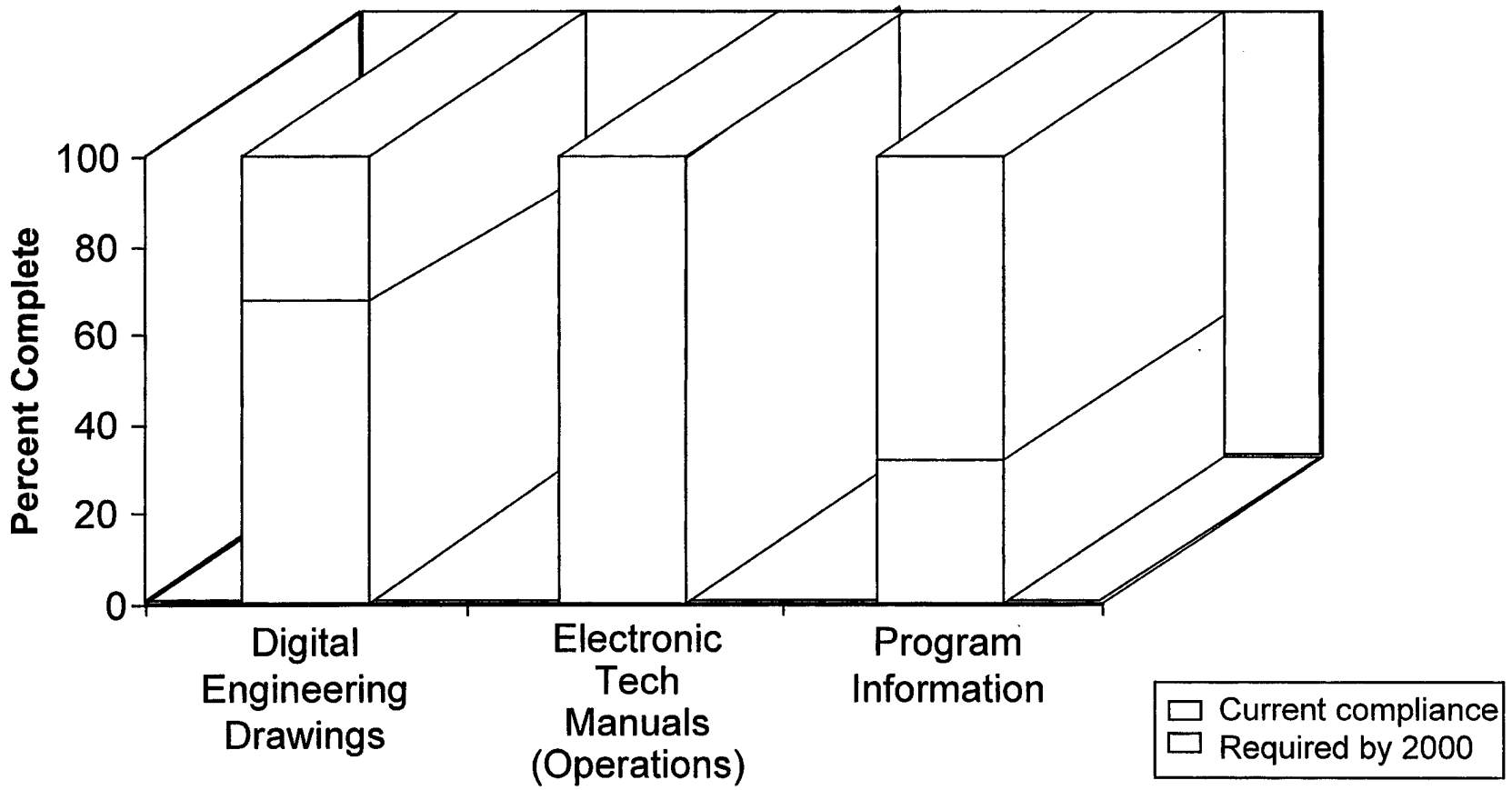
Regional Contracts for Installation Support Material



- **Expand Commissary Success to other Installation Items**
- **Establish multiple competitive IDIQ contracts for support materials**
  - Lumber
  - Automotive
  - Plumbing
  - Electrical
- **Purchase required items from contract via IMPAC cards**
- **Direct Vendor Delivery**
- ***Eliminates* ALT, procurement and finance burdens and lead times**

97-0180.16

Data Conversion Status
(What's Done and What Needs to be Done)



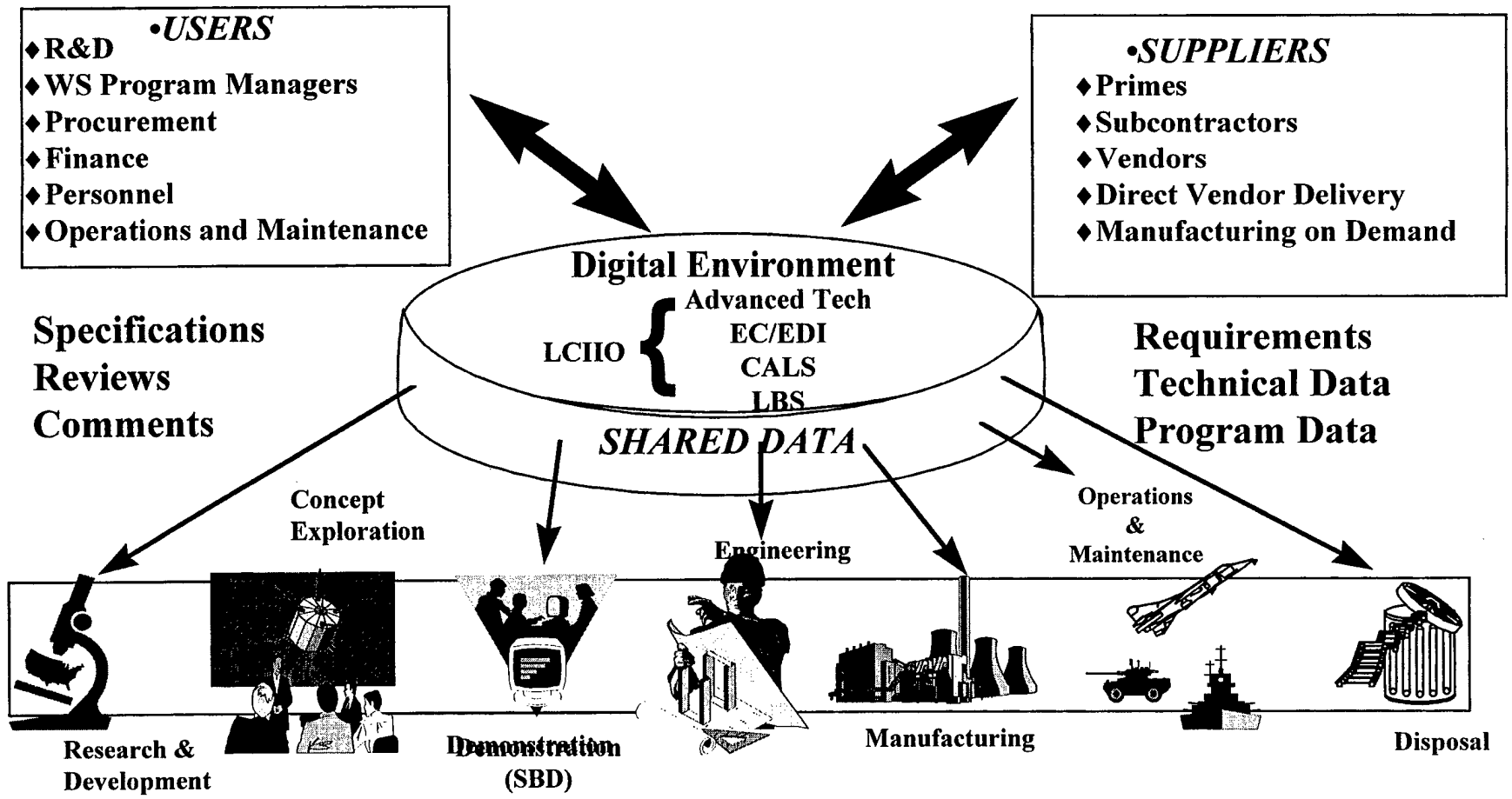
97-0180.17

Technology Insertion

- 5-ton truck inserted commercially developed constant velocity U-joint
- CV joint dramatically reduced tire wear
- Net reduction of 60 percent in tire maintenance cost ($19 million per year to $6.5 million/year)
- DoD extended this initial success to broader areas and leveraged a $135 million investment (COSSI/DUAP) into a $4 billion O&S cost avoidance over 10 years

97-0180.18

Life Cycle Information Management via Integrated Data Environment (IDE)



97-0180.19

IDE Near-Term Future Deployments

- **IDE deployments FY98**
  - Army: TACOM
  - Navy: • Ship to Shore Modernization
    • Regionalization at Corpus Cristi
  - AF: F-15, Warner Robins ALC
  - DLA: Defense Personnel Support Center
- **Simulation-Based Acquisition (SBA) deployments FY98-99**
  - Army: 2-1/2 and 5-ton trucks
  - C3I: Satellite and programmable modular radio
  - AF: KC-135R

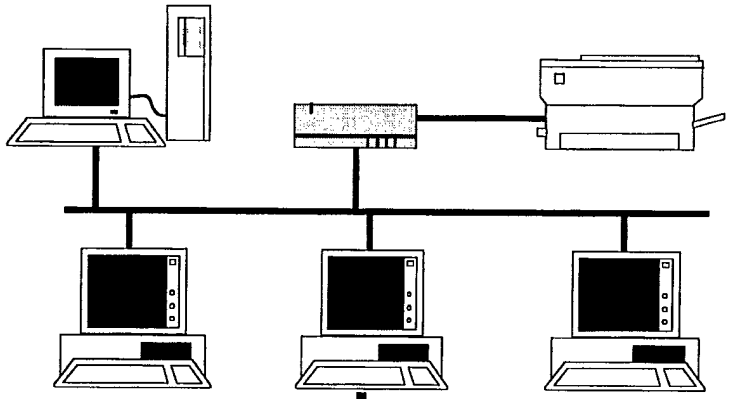
97-0180.20

Data Center Consolidation and Migration

An Approach and Strategy

97-0180.21

Data Center Operations



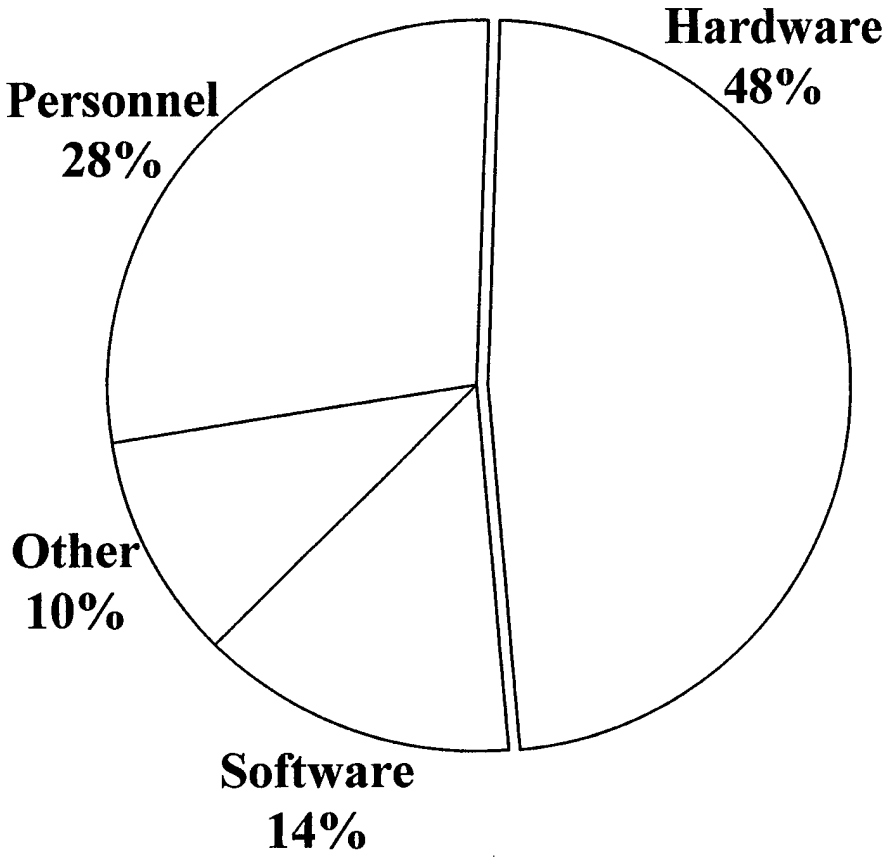
Trends in commercial data centers provide insight consolidation economies

Doing more for less

- **Hardware (HW) costs continue to decline**
- **HW still accounts for 48% of mainframe data center budgets**
- **Other commercial center cost continue to decline**
- **Companies' major strategy for cost/staff reduction is through direct consolidation or outsourcing**

97-0180.22

Commercial Practice Cost Mix

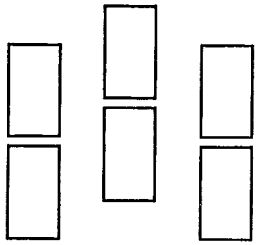


Successful data center managers address all cost elements of data center operations. Best commercial practice helps achieve this goal.

97-0180.23

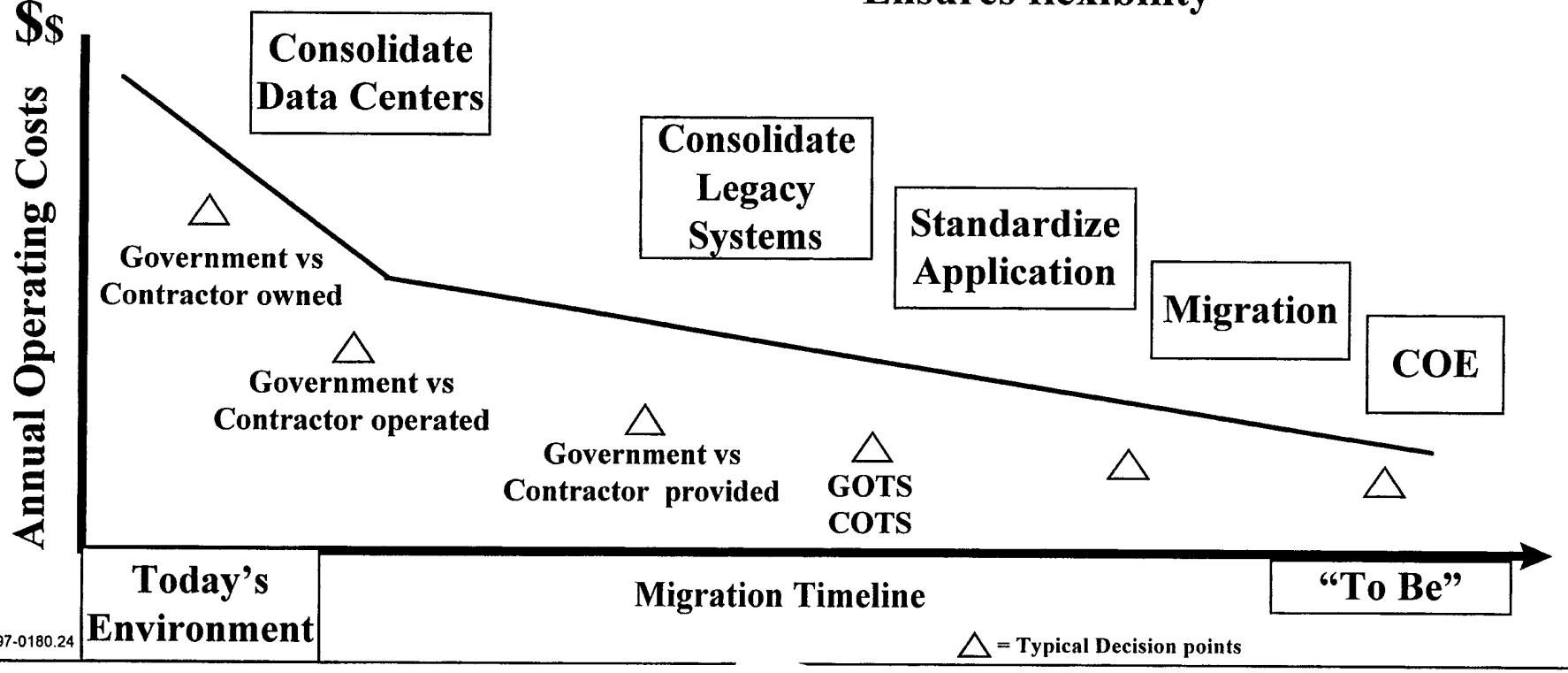
Migration Strategy

Multiple Systems



The Approach is Open

- Provides positive control over risk management to AMC
- Multiple decision points to prevent "lock-in"
- Ensures flexibility

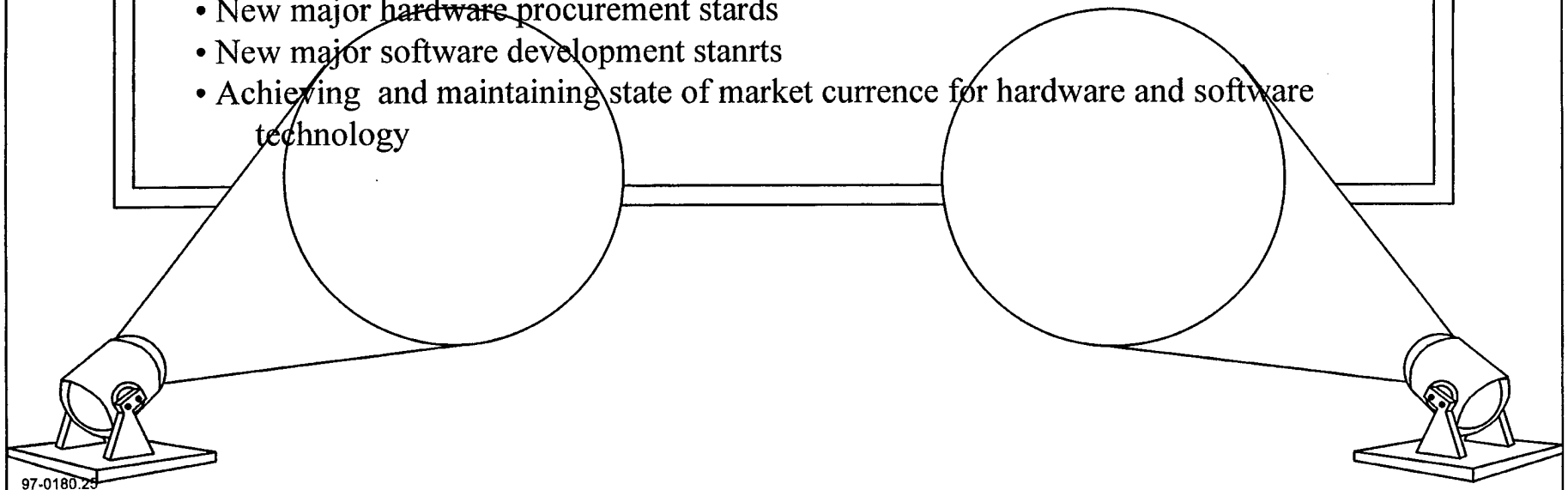


97-0180.24

The Vision

In addition to immediate savings, this strategy solves difficult problems associated with:

- Costs over mid and long terms
- Facilities standard systems deployment
- Number of interfaces required by modernization/migration activities
- Eliminates hardware/software obsolescence problems
- Contract incentives keep costs down and performance up
- Migration to COE
- New major hardware procurement stards
- New major software development stanrts
- Achieving and maintaining state of market currence for hardware and software technology



97-0180.29

NASA NACC: Cost Metrics

Total Cost Avoidance Percentages

	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Total
HW MT	75	77	72	72	74	73	74	74
SW MT	36	41	35	33	30	28	31	33
Labor	40	54	42	50	58	62	63	54
Total	33	41	44	45	46	47	49	44

Percentage reductions based on the reductions from total center IT budgets before and after consolidation (FY95 and FY96 represent actuals)

Agency	CPU Rates**
USDA	$ 333.87
Justice	$ 709.42
Army	$ 613.88
CDC	$ 432.49
NASA NACC FY-97	$ 268.00
NASA NACC FY-98	$ 232.17

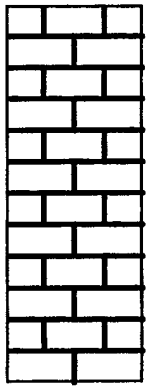
NOTE: CPU Rates are all normalized to IBM 3090-200J hours

97-0180.26

Common Ownership Is Key

Existing, barriers inhibit close collaboration required to adequately control hardware and software costs.

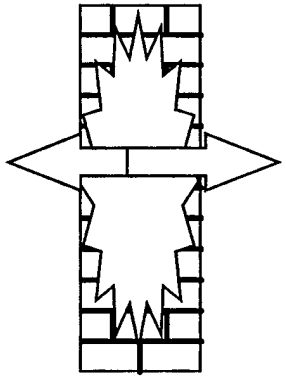
Today's environment



AMC
Applications Software Owners and Stakeholders

DISA
Data Center Owners and Managers

NEED COMMON OWNERSHIP



AMC
Applications Software Owners and Stakeholders

AMC
Data Center Owners and Managers

Tear down the Wall!!!

High cost
Fractional management
No choice for processing solution
Locked in to one data center solution
Inhibits migration
Obsolescence problems
etc. etc.

Low cost
Fully aligned management
Lots of option and alternatives
Flexible solution can react to changes
Facilitates migration
Tames obsolescence monster
etc. etc.

97-0180.27

The Need For Best Practices

- DISA costs exceed best commercial practices
- 1996 Coopers & Lybrand report on Strategy Options for Defense Information Services noted DISA Megacenters have significantly higher staff level than industry. The study suggests this is due to:
  - Low levels of automation used in the data centers
  - Outdated hardware and software
  - Organizational structure e.g., separate management for each DMC

97-0180.28

NASA NACC: A Success Story

- **In 1994, NASA initiated a data center consolidation program.**
- **GOCO program has achieved significant benefits including:**
  - Established NASA ADP Consolidation Center (NACC) at Huntsville
  - 613 MIPS today, with two additional processors being installed
  - Centralized maintenance and management
  - Elimination of redundancy
  - Cost Reduction

97-0180.29

NASA NACC: Cost Reductions

- **NASA's significant cost reductions to date include:**
  - Over 40% reduction from previous operating costs, including hardware, software, and staffing
  - 75% reduction in power requirements
  - 50% reduction in footprint
  - Significant reduction in operations staffing
  - NASA's current costs are significantly lower than other comparable Government installation
- **Future cost reductions include:**
  - An additional 30% savings in Legacy System Maintenance costs
  - Additional TBD savings from consolidating multiple applications into core, enterprise-wide applications
  - Quicker, less costly migration path to new systems

97-0180.30

Plan of Action

- **Study required to validate potential savings for the initial steps of the proposed migration strategy**
- **Data center consolidation options to be evaluated include:**
  - Continue to use DMCs
  - Establish AMC specific data center capability
  - Outsourcing
- **Recommend use of qualified contractor with consolidation and outsourcing experience to assist with study.**

97-0180.31

NOTES

ADOPTING COMMERCIAL SOLUTIONS FOR MODERNIZATION

Logistics Modernization

MG GERARD P. BROHM

U.S. Army Communications Electronics Command (CECOM)

MG Gerard P. Brohm
Commanding General

20 Oct 97

LOGISTICS MODERNIZATION

AMC Tasking

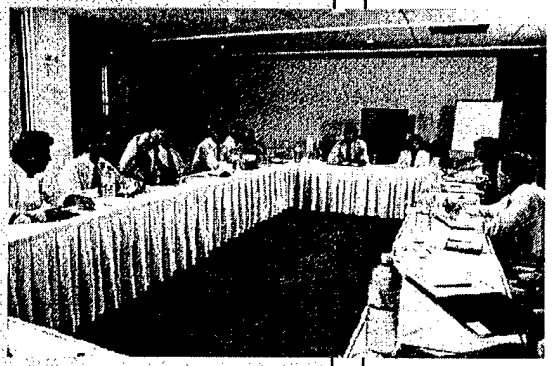
"Determine the feasibility of modernization alternatives and implementation strategies for AMC's Wholesale Logistics processes, practices and Information Technologies."

LTG Dennis Benchoff
5 August 1997

Specific Requirements

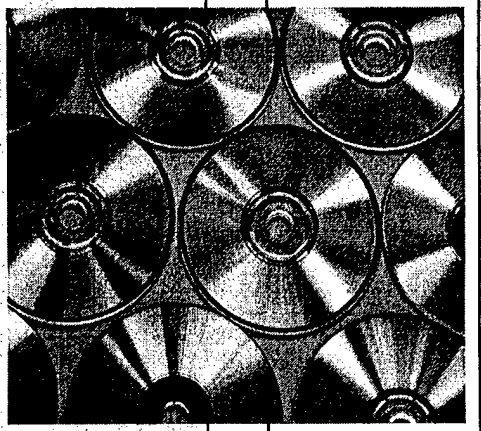
- Identify Best Commercial Practices and Supporting Commercial Products
- Privatize Development and Sustainment
- Reshape the Workforce
- Take Care of People
- Develop Strategic Relationship with Industry

Specific Requirements



- Involve Industry Early
- Provide for User Evaluation and Feedback
- Use CAIV: Cost at or Below Current Funding Levels
- Contractor Operation of Legacy Systems during Cutover

Specific Requirements



- Allow for Continuous Technology Refreshment
- Provide Innovative Solutions within an Aggressive Implementation Schedule

Allow for Tie to ICS3 Modernization Effort

We Can't Continue Like This...

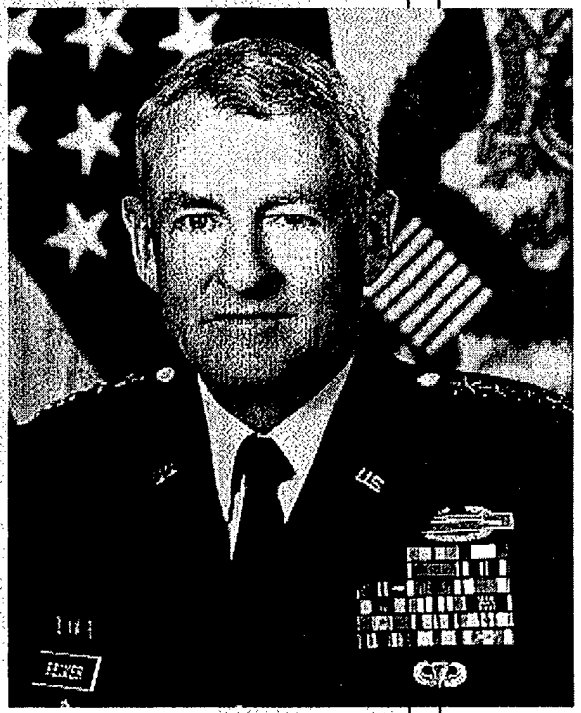
- With Old Software Code--- Expensive to Run and Maintain
- With a Workforce at Risk
- Making Incremental Changes to Software -- 50% of $$ Available
- With Army Leadership Increasingly Frustrated

General Reimer's Priorities

Comanche

Crusader

Logistics Modernization

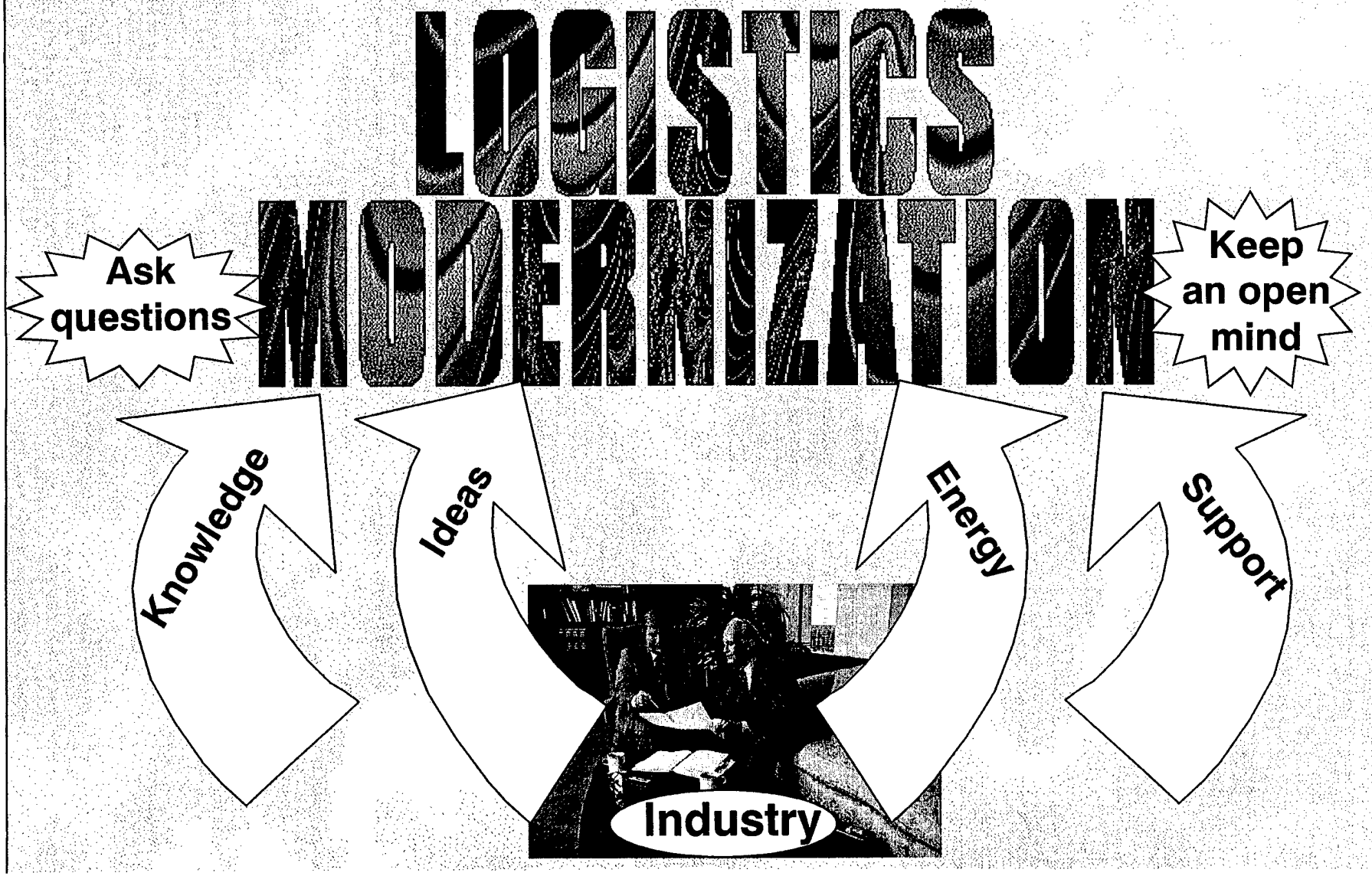


We Cannot Afford "Business as Usual"!

We need...

A NEW APPROACH

What We Need From You…



NOTES

AN AMC PERSPECTIVE

US Army Materiel Command

MR. A. DAVID MILLS

AMC PRINCIPAL DEPUTY FOR LOGISTICS

Presented by:
A. David Mills
Principal Deputy for Logistics

Army Materiel Command

An AMC Perspective

20 October 1997

UNCLASSIFIED

AMC – *Relevant, Responsive & Ready!*

The Army's Top Three Programs:

General Dennis J. Reimer

Office of the Chief of Staff
United States Army

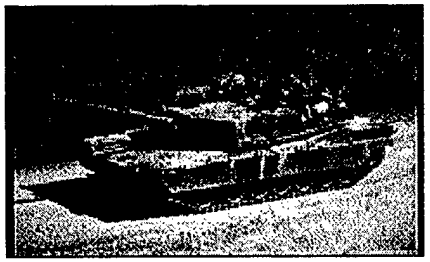
"Without putting them in any particular order, I'd have to say they're the Comanche [helicopter], the Crusader [artillery system], and logistics automation.
The last one might surprise some people, but it's my concern that if we really want to do things differently on the battlefield, we have to do things differently with logistics. We have to make some inroads in this particular area."

Reference: Armed Forces Journal International / October 1996.

The U.S. Army Materiel Command

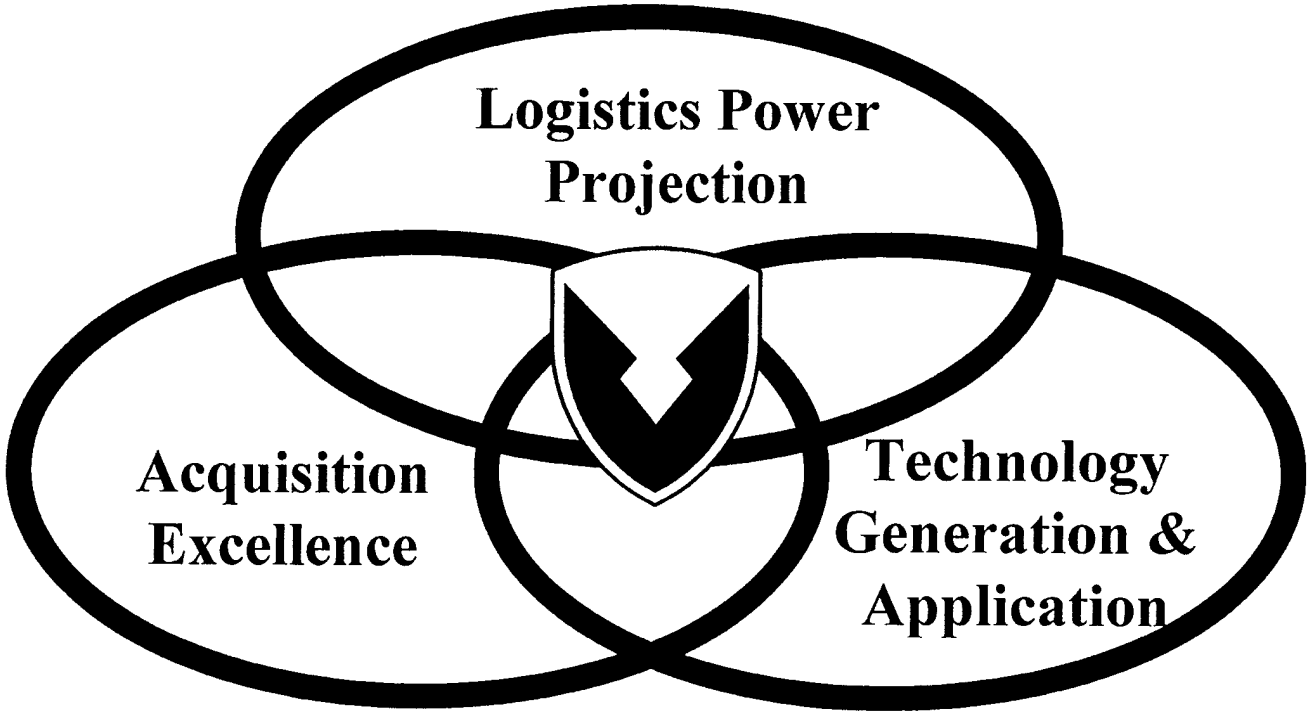
Strategic Vision

Equip and Sustain the Total Force through technology and responsive support, assuring worldwide power projection and decisive victory.



The U.S. Army Materiel Command

Core Competencies

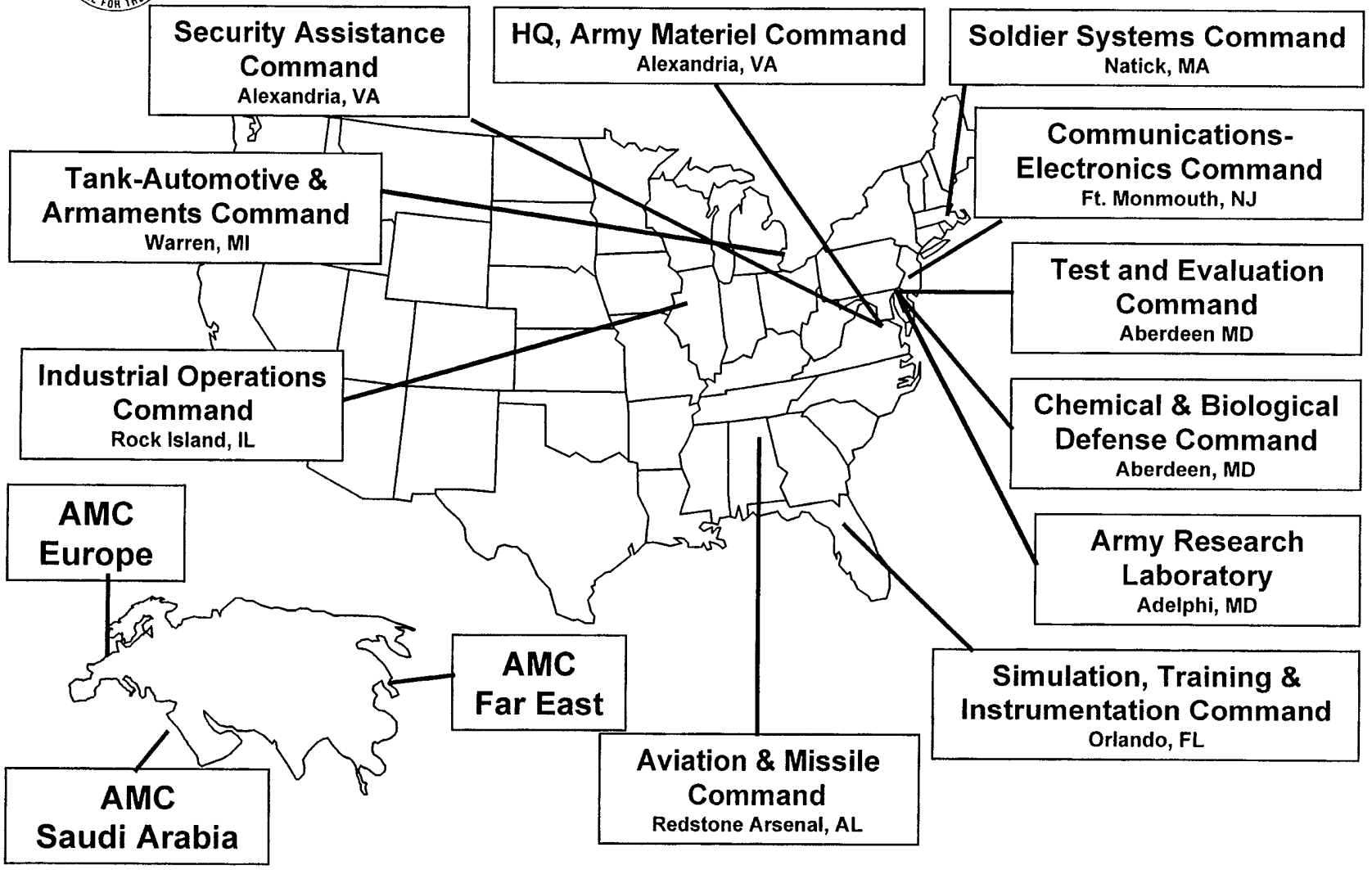


The U.S. Army Materiel Command

Key Business Processes

- Configuration Management
- Resource Management
- Technical
- Major Items
- Product Definition
- Requirements
- Procurement
- Log Data Management
- Depot Maintenance
- Ammunition
- Installation Logistics
- Security Assistance
- Asset Management

AMC Major Commands



Automation Evolution

Army has lagged commercial industry!

Industry

1960s	1970s	1980s	1990s
Centralized mainframes	Decentralized Microcomputers	Local Networks (LAN/WAN)	World Wide Networks (Inter/IntraNet)

Army

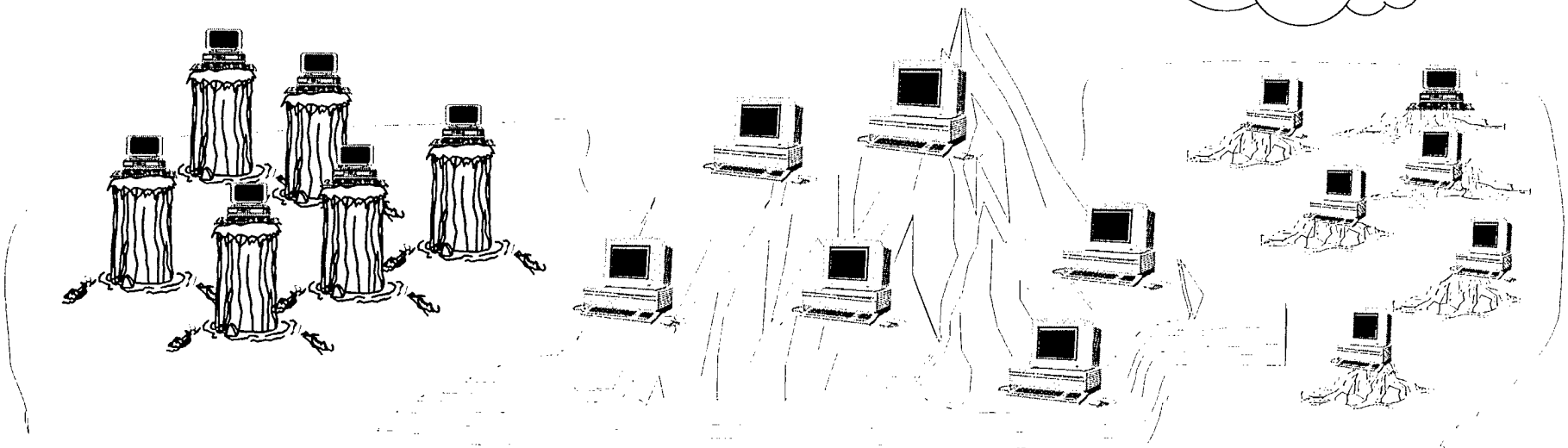
1960s	1970s	1980s	1990s
Centralized mainframes	Decentralized Microcomputers		Local Networks (LAN/WAN)

Why ....

- Same Life Cycle Mgt for Tank & Info Sys
- Changing Priorities
- QDR Reductions

The Problem
...Islands of Automation

Built to be a "sneaker net"



Tactical Cluster

- Property Books (SPBS-R)
- Unit Level Supply (ULLS)
- Maintenance (SAMS)
- Retail Supply (SARSS)
- Medical (TAMMIS)
- Personnel (SIDPERS)
- Finance (STANFINS)

Wholesale Cluster

- Commodities (CCSS)
- Depots (SDS)
- War Reserve (AWARDS)
- Distribution (DSS)
- Asset Visibility (ATAV)

Joint Cluster

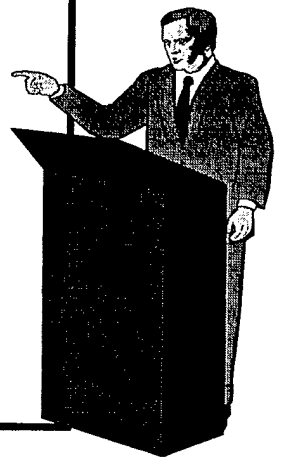
- Asset Visibility (JTAV)
- Transportation (GTN)
- Joint Ops (JOPES)

Integrated Combat Service Support System (ICS3) Phased Approach

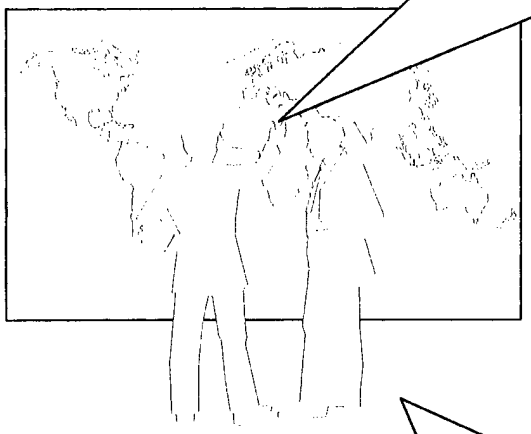
Phase I	Phase II	Phase III
Initial Operational Capability	Interim Enhanced Capability	Full Operational Capability
■ Retail Logistics Integration ■ Tactical Personnel Integration ■ Theater Medical Integration ■ Reserve Component Integration ■ Initial CSS Functionality	■ Wholesale - Retail Integration ■ Improved Joint System Integration ▪ TC-AIMS II ▪ JTAV / JPAV	■ Complete Joint Integration ▪ GCSS ▪ Single Source Data Entry
Retail	Wholesale	Joint

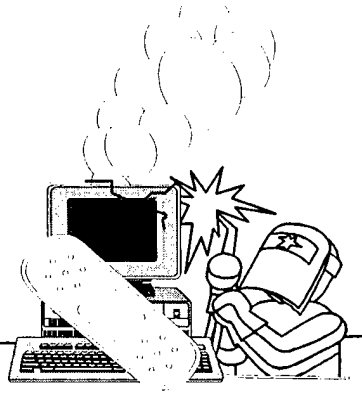
What We Need to Capitalize On...

- Information as a corporate asset.
- Timely availability and data quality
- Array data as a common picture.
- Rapid application approach to code-building to quickly develop and field needed capability.
- Metrics based performance analysis.
- Flexibility in Joint Service architecture development.

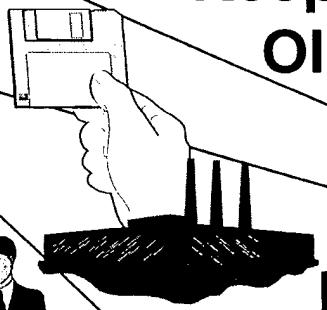


Where Do We Go From Here?



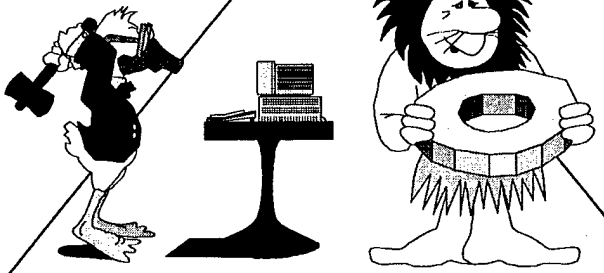


Keep patching the Old System...



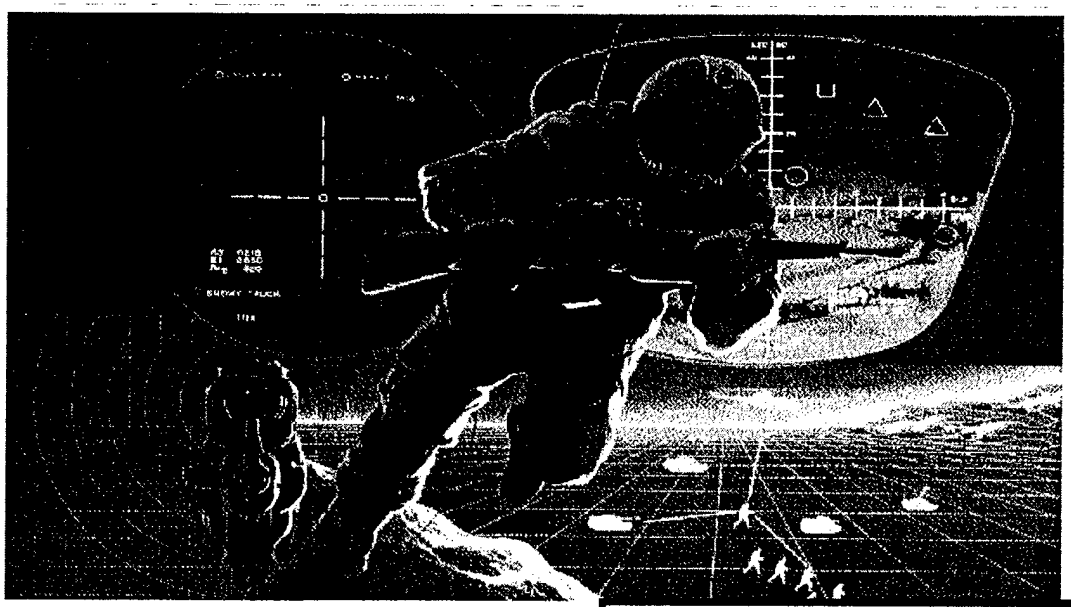
Look for an Industry "Fix"...

Evolve through Business Process Reengineering...



Scrap the System and Re-invent the Wheel...

Revolution In Military Logistics



"A Revolution in Military Logistics, Leveraging Technology to Fuse New Concepts, Information and Logistics Systems. Reshaping the Way We Protect and Sustain America's Army in the 21st Century."

JOHN G. COBURN
Lieutenant General, GS
Deputy Chief of Staff
for Logistics

ROBERT M. WALKER
Assistant Secretary of the Army
(Installations, Logistics,
and Environment)

Distribution Based:

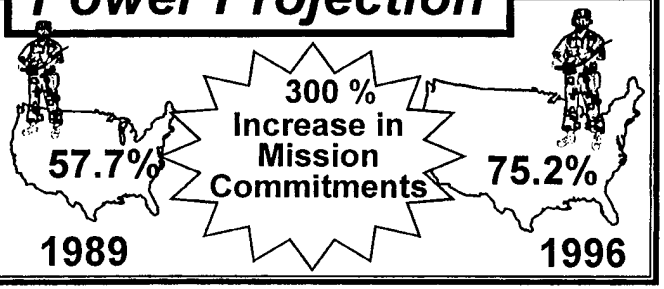
- *Logistics Velocity, Not Logistics Mass*
- *Real-Time Situational Understanding*
- *New Organizational Designs with a Seamless Logistics System*
- *Supporting Our Nation's Needs*
- *Enabling the Revolution in Military Affairs*

July 1997

Sizing the Problem – Why Change?

Old Ways CANNOT Be New Ways !

Power Projection



ArmyXXI & AAN

- Rapid Deployment
- Battlefield Mobility
- Maximum Flexibility
- Situational Awareness

Requirements

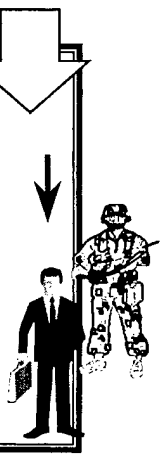
Resources

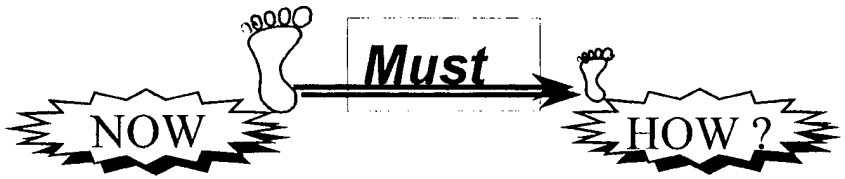
Massive

- 138 Standard Log Systems/Hundreds of Databases
- 7,354 Non-Standard Systems
- 110 Million Lines of Code
- Maintenance: Five levels from Operator to Depot
- Inventory $ 9.08 Billion (Secondary)
- $ 4.18B in Sales /Over 7 Million Requisitions
- 750,000 gal/day to Fuel a Heavy AOE Division in an Attack--Desert Storm

Army Resources:

	FY89	FY03	%
Civ	403K	233K	42
	FY89	FY96	%
Mil	769K	495K	36
	FY89	FY96	%
Funds	$95.4B	$59.5B	40





Emerging Solutions

The Revolution Has Begun . . .

Doing Many Things. . . Some Examples

Technology Application and Acquisition Agility

- Palletized Load System w/ Movement Tracking System
- Batteries and Alternative Power
- Best Value
- Life Cycle Cost Mgt
- IMPAC Credit Card
- JCALS

Force Projection

- Fast Sealift
- Power Projection Infrastructure
- Enhanced RSO & I
- Army Prepositioned Stocks
- Army Strategic Mobility Program
- Center for Commercial Deployment of Trans Tech

Force Sustainment

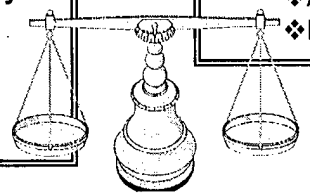
- Force Provider
- Battlefield Distribution
- LOGCAP
- Fleet Management
- Contractor Logistics Support
- ISM - Regional Maintenance
- DVD - Factory to Foxhole
- ALT/PLT and OST Reductions

Measuring RML Progress--Science and Art

A Multi-Tiered Approach Balancing Science and Art

Peacetime Efficiencies - Science

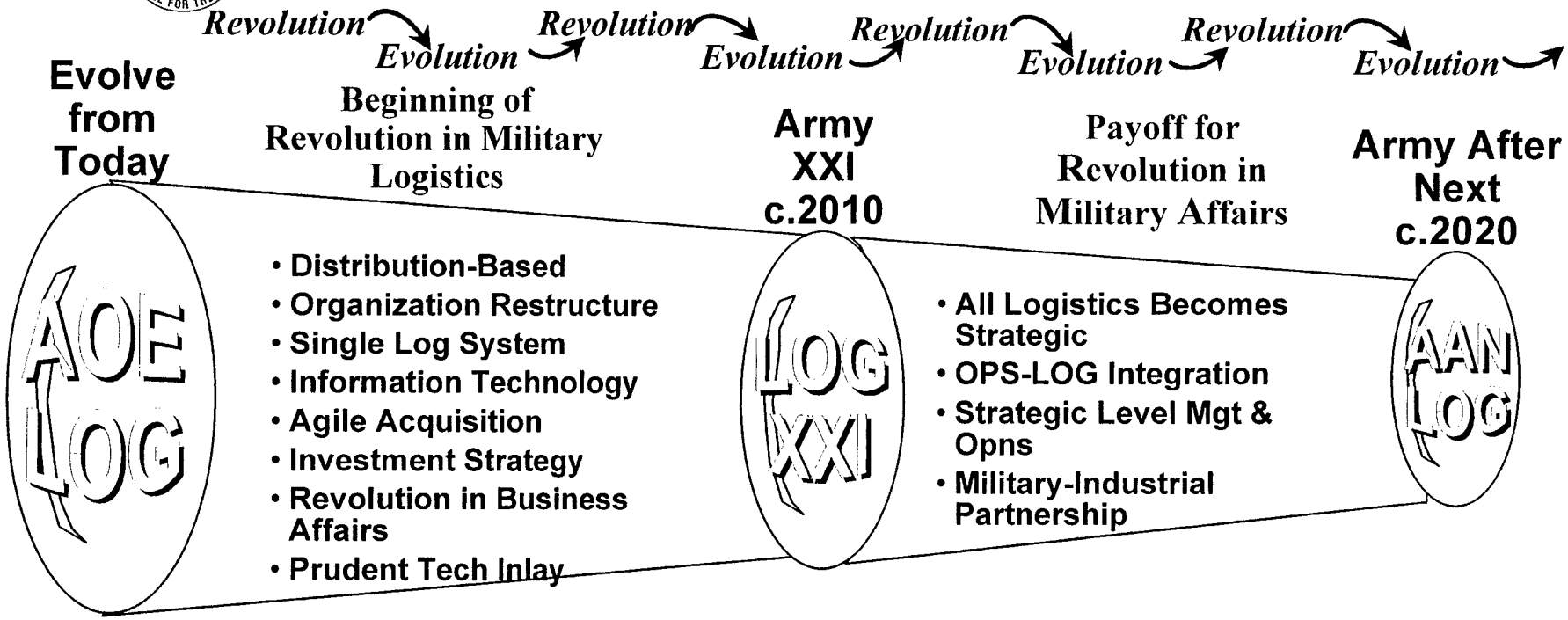
- **Less Mass**
  - Number of Log Automation Systems
  - Reduction in Inventory
  - OST Improvements (Hours, not Days)
  - Smaller and Less ASLs/PLLs
  - Joint Cross Leveling
- **Increased Velocity**
  - Real Time Situational Understanding
  - Automation and Communication Connectivity
  - "State of the Market" Technology to the Force
  - Satellite Tracking/Telecomm
  - Strategic Lift Improvements
  - Replace Forward, Repair Rear (2 Levels)
  - Battlefield Logistics Mobility
  - JTAV and ITV
- **Revolution in Business Affairs**
  - Customer Satisfaction
  - New Organizational Designs
  - Financial and Accounting System Interface
  - Movement Toward an Expanded Community
  - Enablers for RMA
  - Empowering Laws and Regulations
  - Funding
  - Logistics Simulation Tools



Wartime Effectiveness - Art

- **Technology Application and Acquisition Agility**
  - Rapid Acquisition
  - Exploitation of Emerging Technology
  - New Equipment Sustainability
  - Life Cycle Support
  - Use of National Technology Base
- **Force Projection**
  - Lighter and Smaller Sustainment Requirements
  - Faster Force Projection Time
  - Less Logistics Infrastructure
  - Increased Log System Mobility
  - Use of Space
- **Force Sustainment**
  - Operational Readiness Rates - Peacetime and Deployed
  - Just Enough Inventory Levels
  - Velocity in a Distribution Based System
  - Fuse Information and Logistics Systems
  - Alternative Support Concepts
  - Predictive Rather than Reactive

The Path to Get There

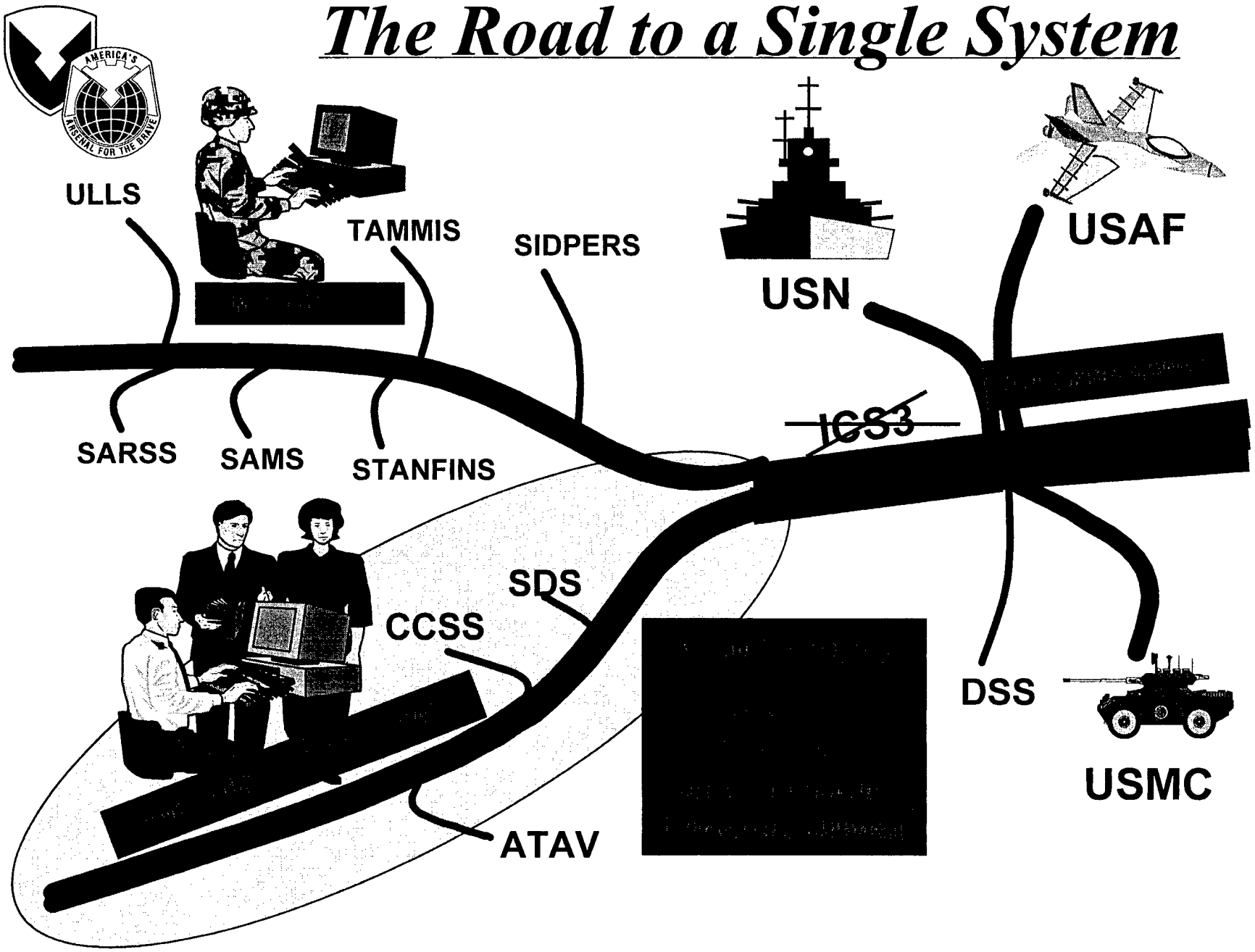


Balance Peacetime Efficiencies with Wartime Effectiveness

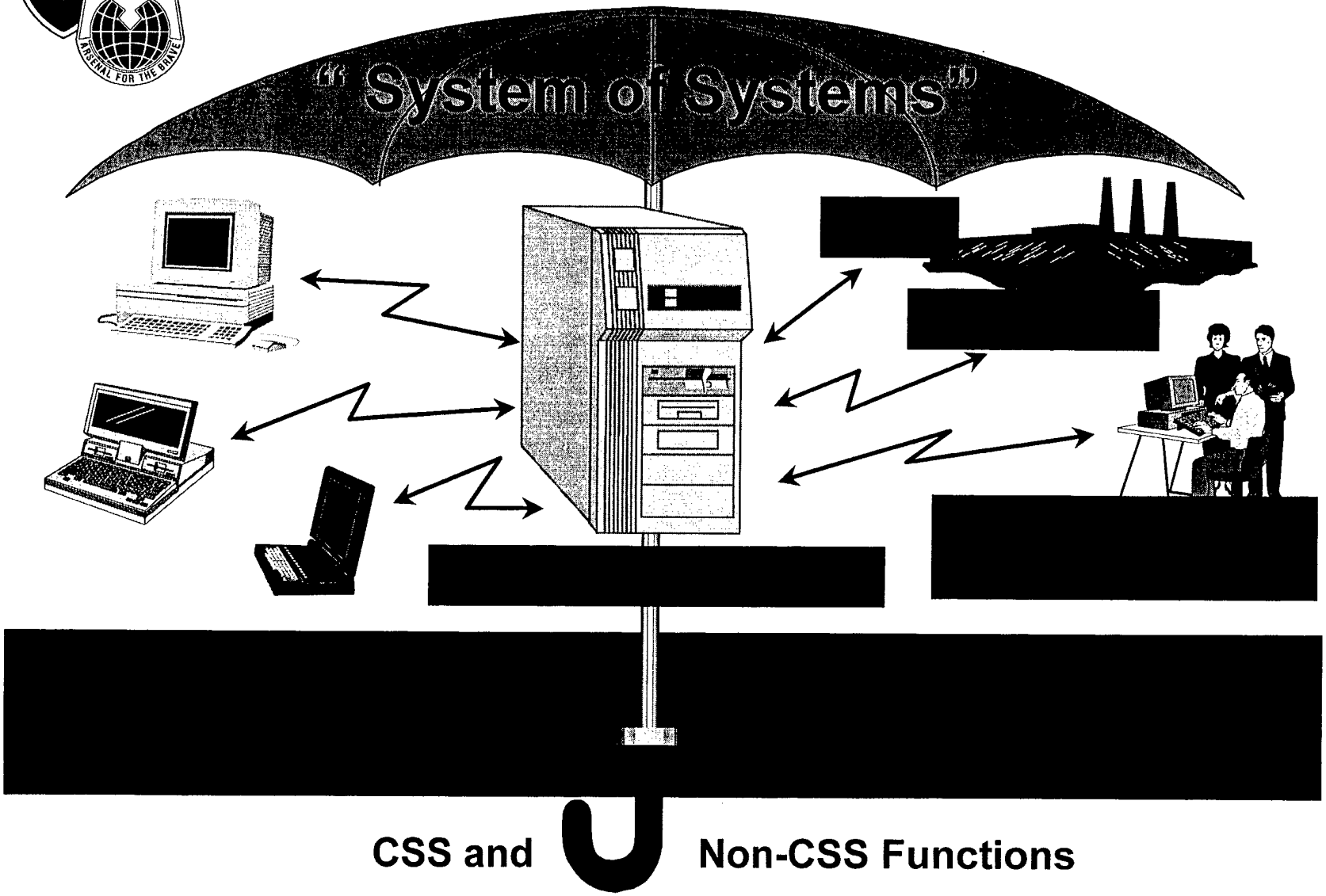
MASS → VELOCITY → PRECISION

Powered by Information!

The Road to a Single System



END STATE VISION..



NOTES

FAREWELL TO OLD WAYS

Acquisition Reform Initiatives

MR. KEVIN CARROLL

ACTING DIRECTOR, CECOM ACQUISITION CENTER

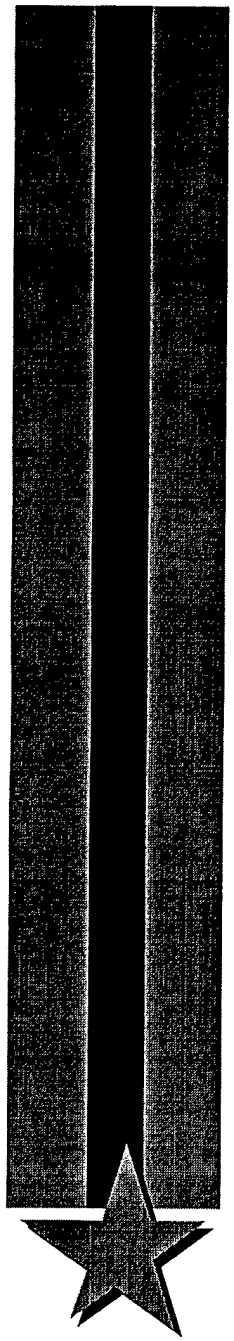
FAREWELL TO OLD WAYS!

ACQUISITION REFORM INITIATIVES

KEVIN CARROLL

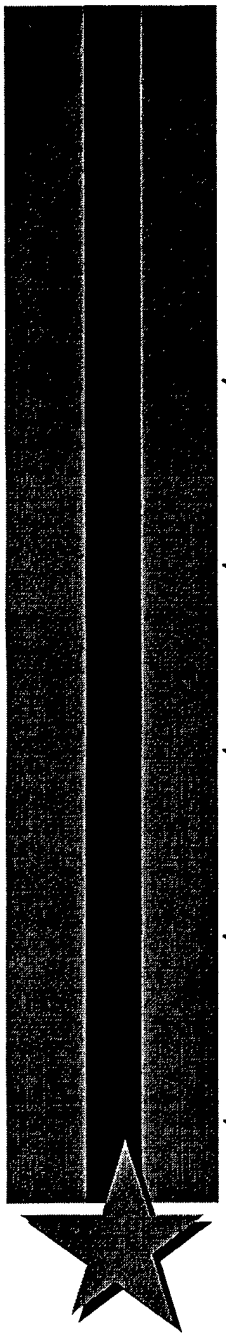
ACTING DIRECTOR, CECOM ACQUISITION CENTER

http://www.monmouth.army.mil/cecom/ac/ac.html



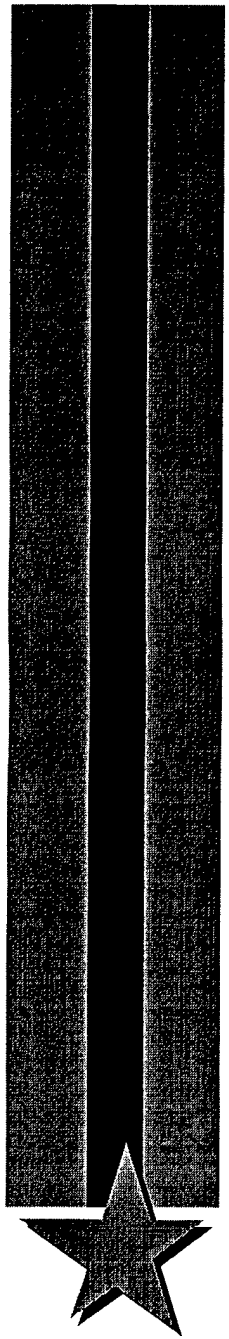
TOPICS

- ★ CECOM Acquisition Environment
- ★ Proposed Logistics System Modernization (LSM) Acquisition Concept



REGULATORY STREAMLINING

- ★ Federal Acquisition Streamlining Act (FASA) of 1994
- ★ Federal Acquisition Reform Act (FARA) of 1995
- ★ Information Technology Management Reform Act (ITMRA) of 1996
- ★ CECOM designated as an AMC Reinvention Laboratory
- ★ Federal Acquisition Regulation (FAR) Part 15 Rewrite



CECOM'S CURRENT INITIATIVES

- ★ Best Value Source Selection
- ★ Oral Proposals Presentations
- ★ Cost As an Independent Variable (CAIV)
- ★ Risk Management vs Risk Avoidance
- ★ Commercial Practices, Products and Processes

INITIATIVES (Cont'd)

- ★ Electronic Commerce
- ★ Strategic Partnerships with Industry
- ★ Integrated Product/Process Development

Performance Based Contracting

Upfront Past Performance Assessment

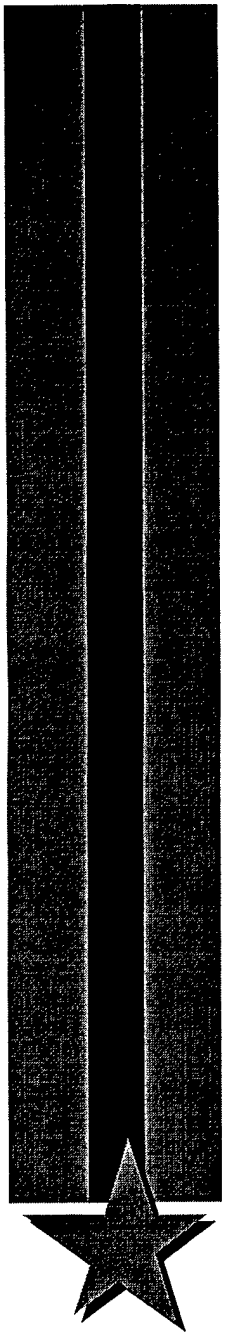
RECOGNIZED LEADERS IN EXCELLENCE

Quality

Customer Satisfaction

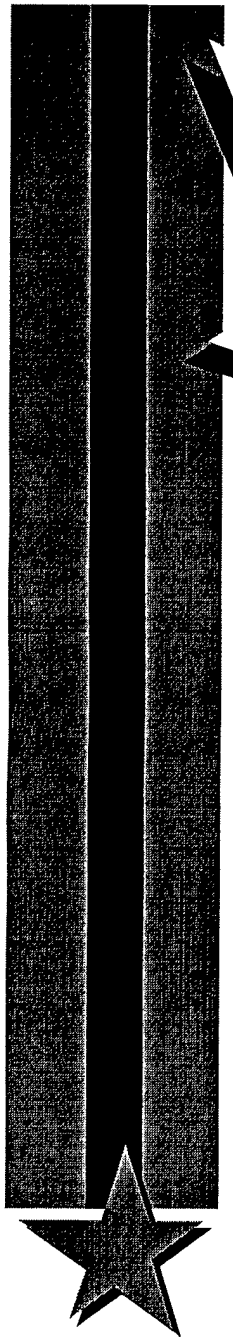
Teaming

Results



REFORMS AND LOGISTICS SYSTEM MODERNIZATION (LSM)

- ★ Open and Honest Communications
  - (With Industry and Gov't Workforce)
- ★ Relationship Contracting
  - Sharing in Success
  - Long Term Contract
- ★ Performance Based Contracting
  - Army Defines
  - Industry Controls Delivery

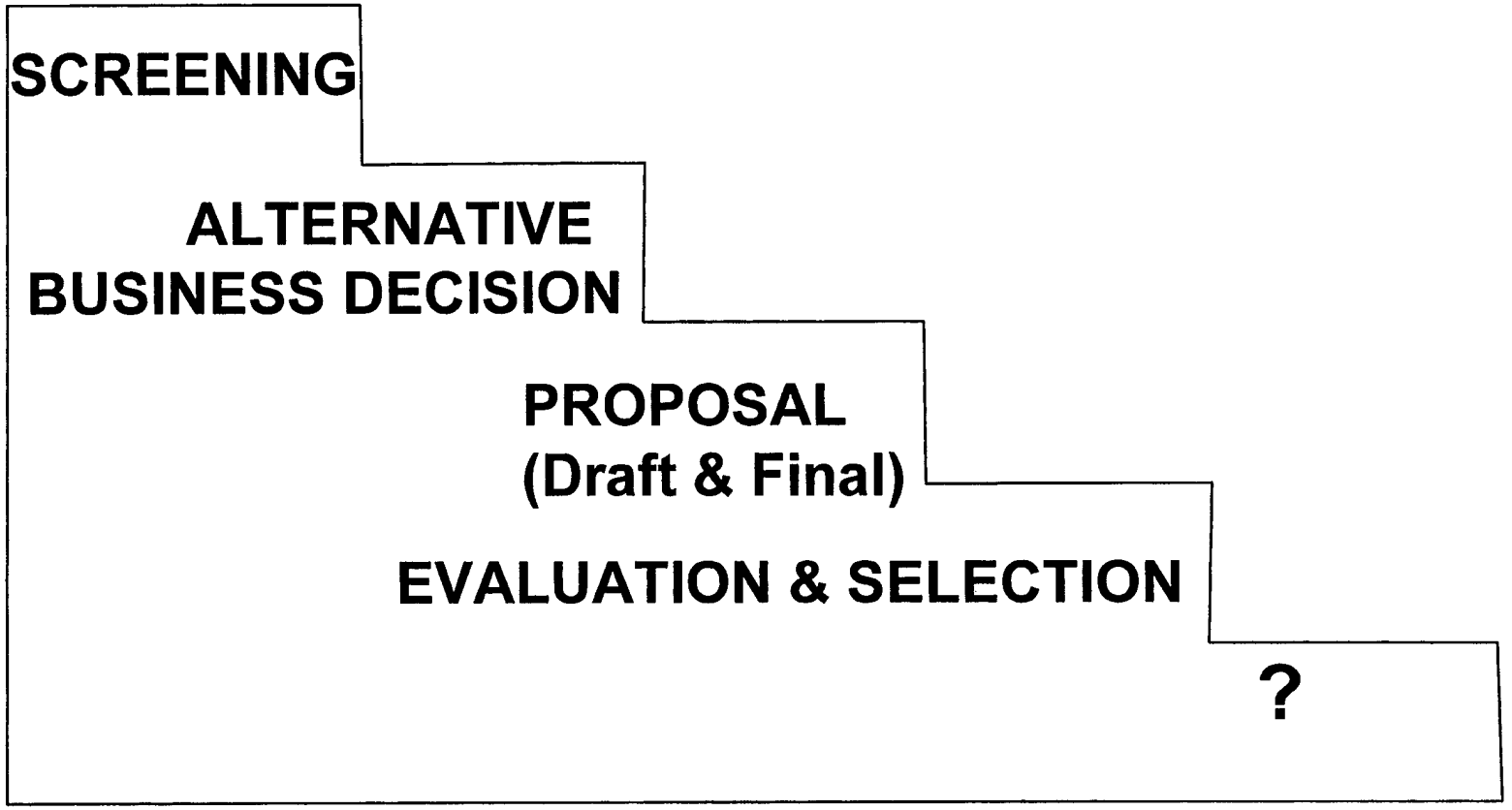


BUILDING THE ROAD TO SUCCESS

You're Invited

- ★ Reengineering Our Logistics Processes
- ★ Defining Requirements
- ★ Acquisition Approach
- ★ Establishing Critical Criteria
- ★ Identifying and Mitigating Risks
- ★ Meeting Aggressive Milestones

NOTIONAL ACQUISITION STRATEGY



NOTIONAL ACQUISITION STRATEGY

SCREENING

PAST PERFORMANCE

- •PRIVATIZATION SUCCESS
- •COMMERCIAL/ARMY LOGISTICS EXPERIENCE

INVESTMENT CAPABILITY

ALTERNATIVE BUSINESS DECISION

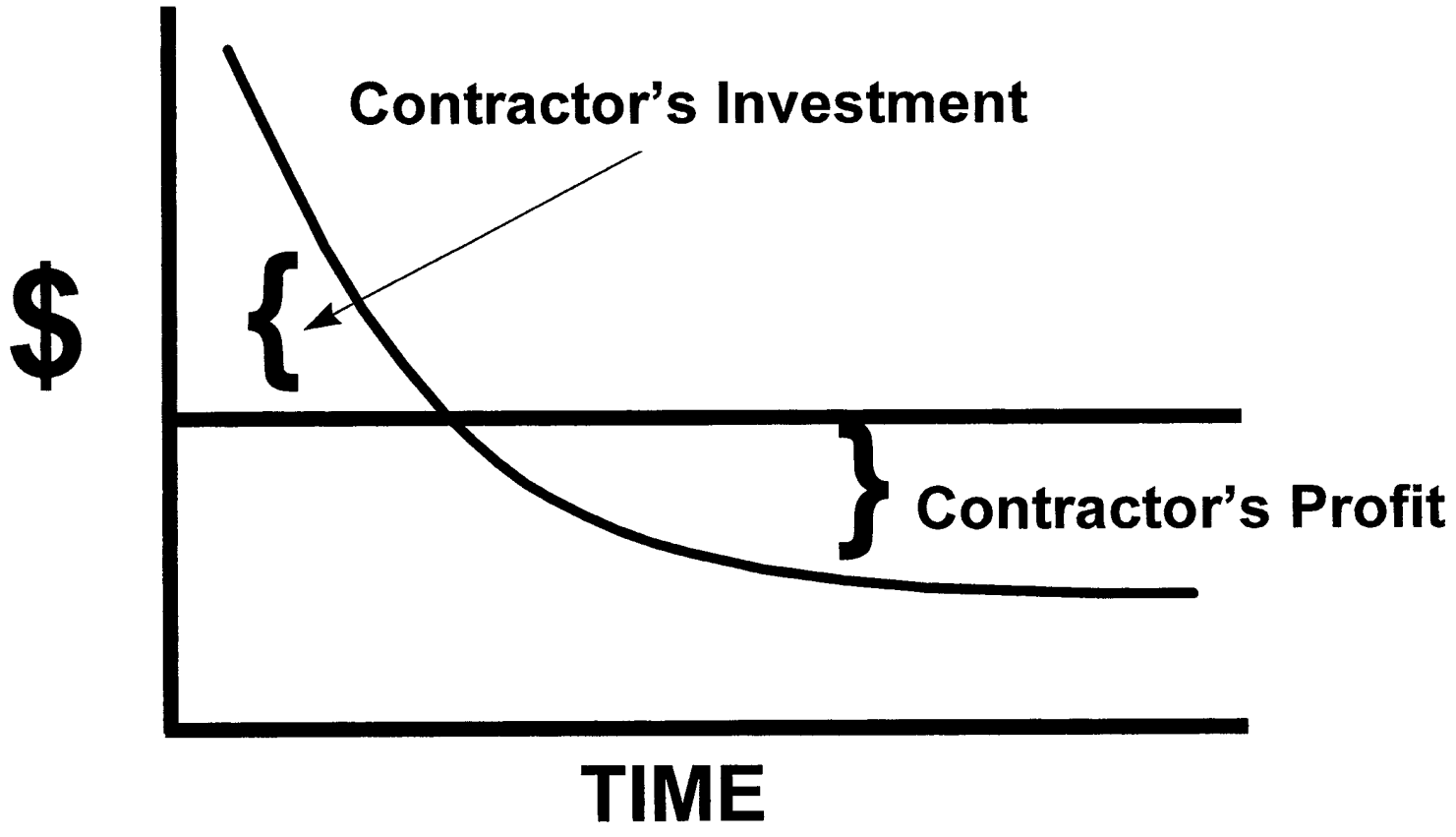
WHITE PAPER

ALTERNATIVES

- •AMC WORKLOAD AT CONTRACTOR
- •AMC WORKLOARD REMAINS AT DISA

DELTA ROM

LOGISTICS SYSTEMS MODERNIZATION FUNDING CONCEPT



NOTIONAL ACQUISITION STRATEGY

PROPOSAL

PERFORMANCE OUTPUT BASED APPROACH

- •MODERNIZATION
- •LEGACY

INVESTMENT AND/OR SHARING

SOFT LANDING

EVALUATION AND SELECTION

?

SUMMARY

Help us move quickly to a new, commercially based, information driven, wholesale logistics process

NOTES

A FUNCTIONAL TOUR OF ARMY MATERIEL COMMAND (AMC) WHOLESALE LOGISTICS SYSTEMS

AMC's Wholesale Logistics System

MR. MICHAEL IVEY

DIRECTOR, U. S. ARMY AMCOM
LEAD AMC INTEGRATION SUPPORT OFFICE

A Functional Tour of Army Materiel Command (AMC) Wholesale Logistics Systems

Briefer: Mr. Mike Ivey
Lead AMC Integration
Support Office

For: Logistics Modernization
Awareness Day

UNCLASSIFIED

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Purpose

Provide:

- High level overview of functional processes supported by AMC systems
- Awareness of internal and external interfaces
- Information on the size of business supported by AMC systems
- Overview of types of commodities supported
- Figures quoted represent FY96

"As Is" Army Logistics

Retail Logistics System

Operating Forces

Peacetime Requirements

Maintain Stock Records

Requisition Processing

Inventory / Stock Data

Maintenance

Control

Production

Storage

Receipt

Warehouse Operations

Physical Inventory

Issue

Transfer

Shipment

Transportation

Asset Visibility

Wholesale Logistics System

Concept Phase

Weapon System Acquisition

Provisioning and Cataloging

Logistics and Catalog Data
Part No., NSN, Failure Factors, Maintenance Task
Distribution, Source, Maint, & Recov Code, Repair Turn-Around-Time, Supply Support Requests

Inventory Control

Maintain Stock Record

Requisition Processing

Status Information

Order Generation

Stock Data
On-hand Assets, Due Ins
Back Orders, Condition Codes
Ownership / Purpose Codes

Weapon System Managers

Financial Managers

Item Managers

Others, Analysts, Agencies

Requirements Determination

Wartime

Peacetime

Retail Redistribution

Stratification and Budget

Requirements Data
Returns on Asset, Unserviceable Return Rate, Washout Rates, Supply Actions (Buy, Buy/Repair, Repair, Disposal / Recall)

Distribution Resource Plg.

Pre-procurement Plg.

Repair Plg.

Disposal Plg.

Sustainment

Disposal

Materiel Fielding

Warehousing

Procurement

Depot Maintenance

Reutilization/ Marketing

Transportation

Logistics Intelligence File

Suppliers

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"As Is" Army Logistics - Weapon System Focus

Wholesale Logistics System

Weapon System Acquisition

Weapon System Managers

Financial Managers

Item Managers

Others, Analysts, Agencies

Concept Phase

Provisioning and Cataloging

Logistics and Catalog Data
Part No., NSN, Failure Factors, Maintenance Task
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Inventory Control

- Maintain Stock Record
- Requisition Processing
- Status Information
- Order Generation

Stock Data
On-hand Assets, Due Ins
Back Orders, Condition Codes
Ownership / Purpose Codes

Requirements Determination

- Wartime
- Peacetime
- Retail Redistribution
- Stratification and Budget

Requirements Data
Returns on Asset, Unserviceable Return Rate, Washout Rates, Supply Actions (Buy, Buy/Repair, Repair, Disposal / Recall)

- Distribution Resource Plg.
- Pre-procurement Plg.
- Repair Plg.
- Disposal Plg.

Asset Visibility

Sustainment

Disposal

Materiel Fielding

- Warehousing
- Procurement
- Depot Maintenance
- Reutilization/ Marketing

Transportation

Suppliers

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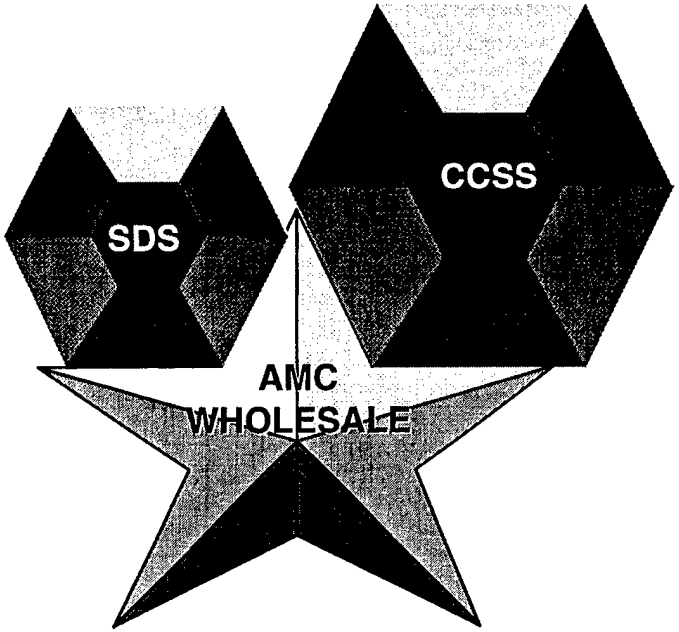
Integrated Wholesale Business Area Commodity Command



FY96
Business Supported

- Procurement Actions - 167K
- Procurement Value - $16.5B
- Items Managed - 184K
- Requisitions Processed - 1.4M

CCSS FUNCTIONALITY
Requirements Determination
Asset Management
Technical Data
Finance
Procurement
Maintenance Planning
Security Assistance
Major Items
Ammunition

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CCSS Support to Logistics Managers in the Business Processes

Maintenance Manager
- Parts Usage Data
- Program Depot Maintenance
- Tech Data Package Support
- Configuration Management Support
- Failure Analysis
- Tech Manual Preparation

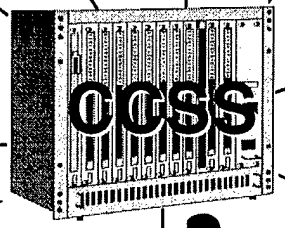
Provisioner
- Initial Stockage Determination
- Total Package Fielding Control

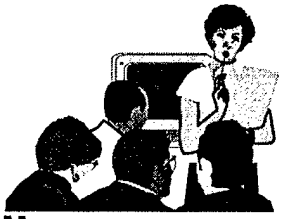
Financial Manager
- Budgetary Accounting
- Fund Certification
- Billing
- Disbursements
- Inventory Accounting

Security Affairs Case Officer
- Case Status
- Security Affairs Accounting
- Price & Availability Analysis
- Foreign Military Sales Case Management

Tech Data/Cataloger Manager
- Item Identification
- Army Master Data File
- Catalog Management
- Supply Support Requests
- Tech Data Management

Contracting Officer
- Bidders List
- Solicitations
- Contracts
- Contract Abstracts
- Award Reports
- Industrial Preparedness
- Acquisition





Item Manager
- Assets
- Procurement Deliveries
- Requisitions
- Shipments
- Requirements Comp
- Budgeting
- War Reserves

Quality Manager
- Deficiency Reporting
- Warranty Claims
- Contract History

System Manager
- Track Materiel Acquisition
- Queries
- Reserves
- Weapon System Management
- Weapon System Fielding Support

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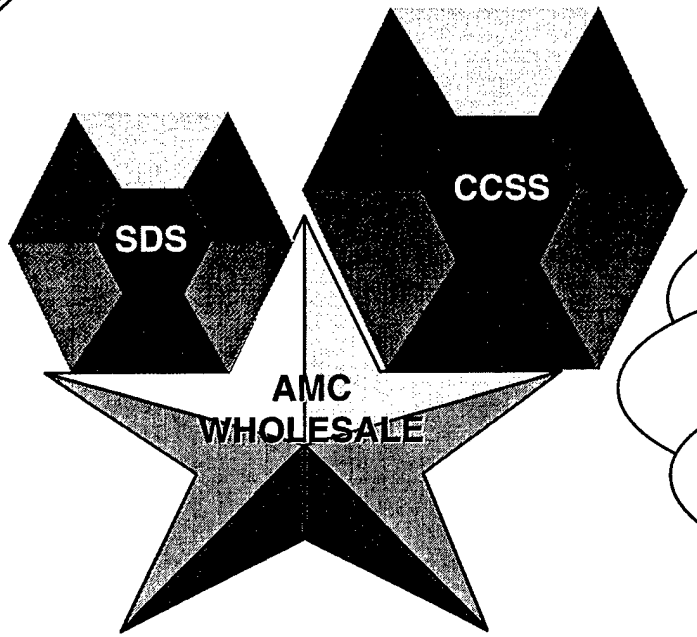
Integrated Wholesale Business Area Depot Maintenance



BUSINESS SUPPORTED

(Operational at Depots, Arsenals, ICPs, etc.)

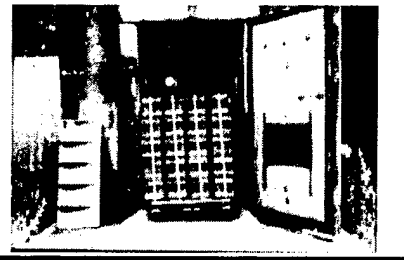
Secondary Items Produced (D/M Org.) - $600M
Major Items Produced (D/M Org.) - $462M
Ammo Receipts & Issues - $420K
Arsenal Mfg. Revenue - $238M

SDS FUNCTIONALITY
Resource Management
Depot Maintenance
Wholesale Supply
Installation Support
Ammunition
Strategic Stock / War Reserves
Property Accountability

SDS Supporting Business Areas

Strategic Stocks / War Reserves

Wholesale Ammunition Management



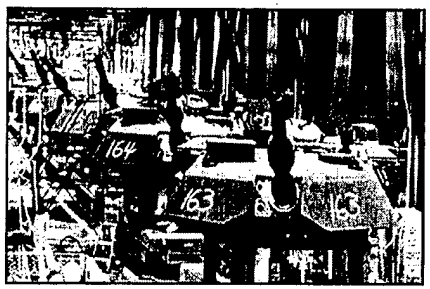
Property Accountability Installation Management

SDS

Integrated Solution

Supporting Varied Customer Base

Depot Maintenance



Financial & MPWR Management

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SDS Support to Logistics Managers in the Business Processes

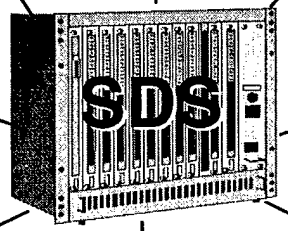
Installation Supply Officer
- Assets
- Inventory
- Redistribution
- Distribution
- Stock Levels

Accountability Officer
- Adjustments
- Inventory
- Research

Financial Manager
- Industrial Funds
- Budgets
- Reporting
- Billings
- Inventory Accounting
- Disbursements

Maintenance Manager
- Scheduling
- Cost Control
- Funding
- Completions
- Forecasting

Contracting Officer
- Requirements
- Job Orders
- Funding



Production Controller
- Requirements
- Job Costing
- Production
- Scheduling
- Parts Demands

Ammunition Quality Assurance Officer
- Surveillance
- Quantity and Distance
- Demil
- Assets
- Reporting (WARS)

Higher HQ Staff / Top Mgmt
- Reports
- Queries
- Special Requirements

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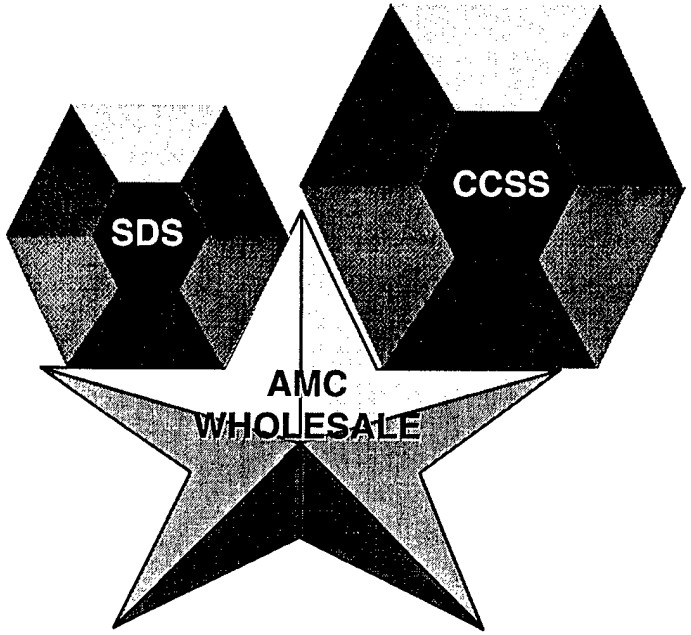
Integrated Wholesale Logistics Scope

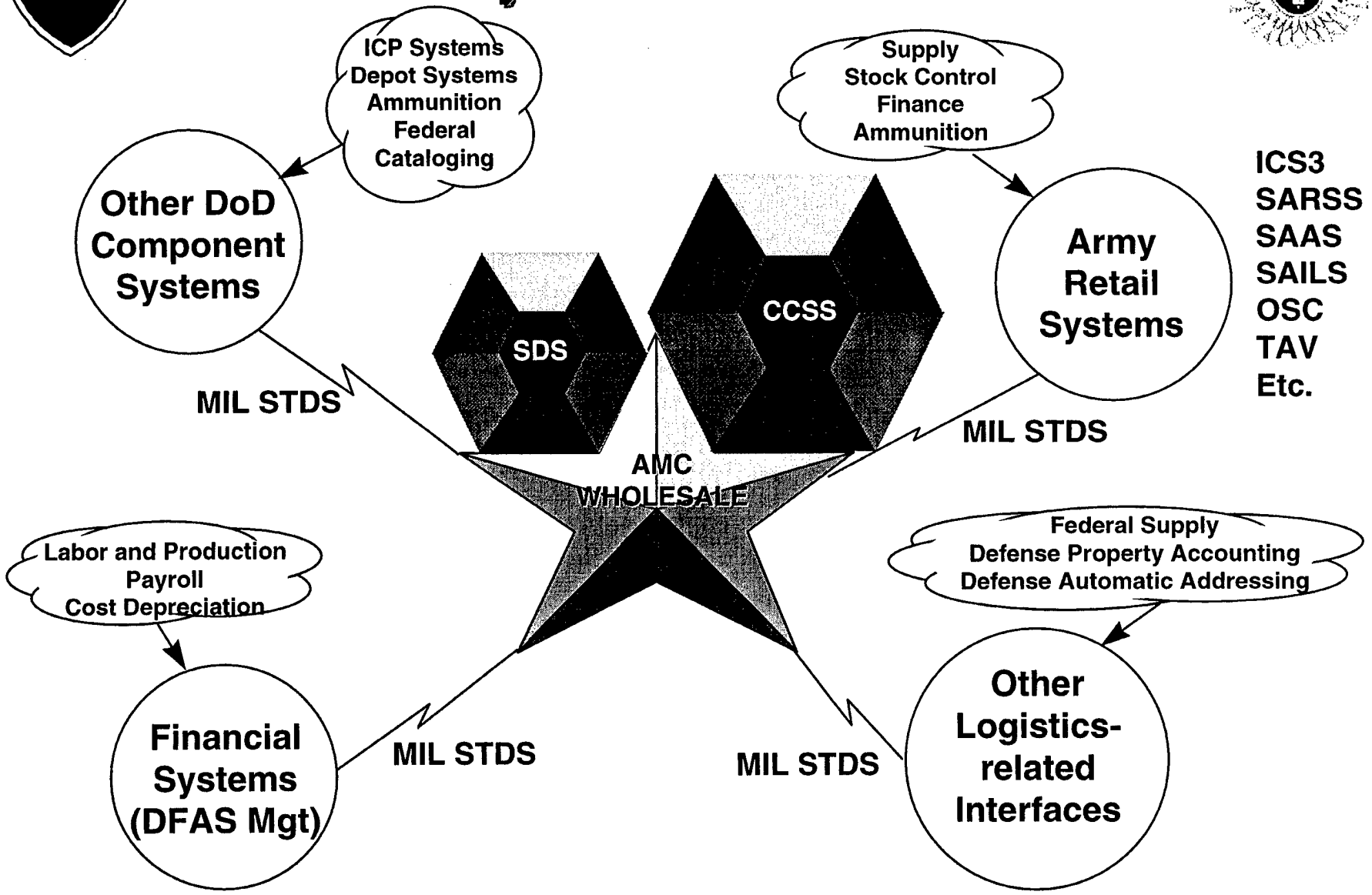


- Total Business - $17.8B
- Managed Inventory - $14.0B

WHAT ARE THE INTERFACES?

Commodity Command Standard System (CCSS)
Standard Depot System (SDS)

Wholesale Logistics System Interfaces



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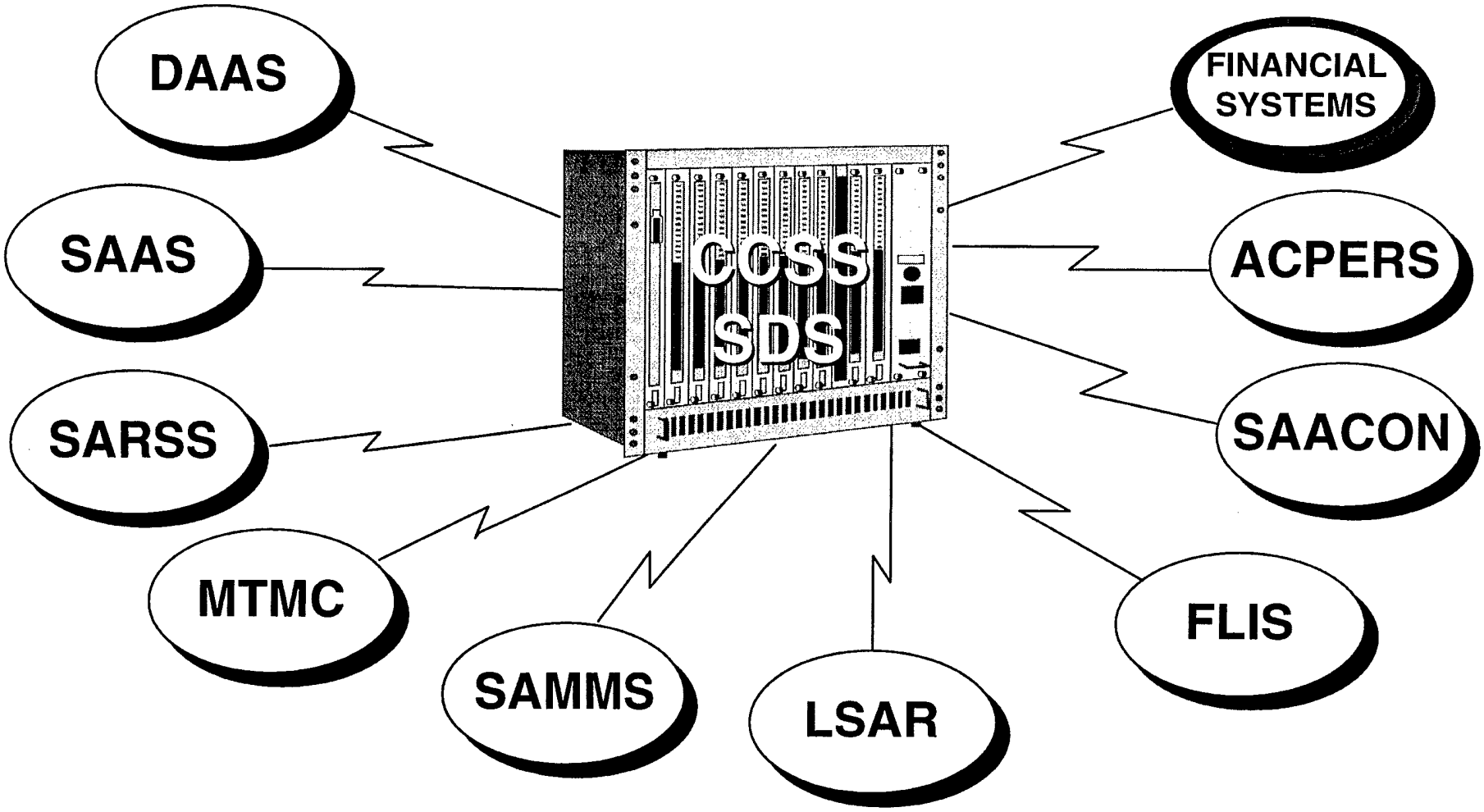
AMC
Logistics System Interfaces



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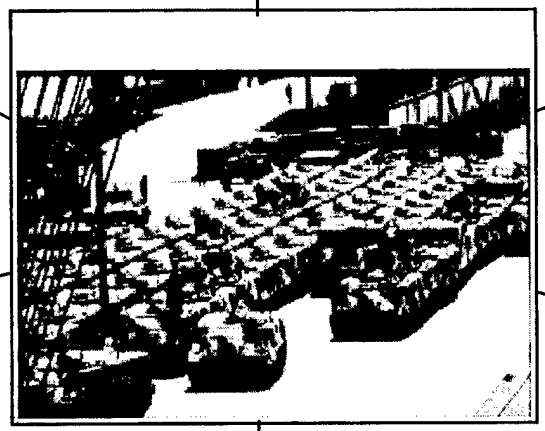
Strategic Stock/War Reserves Interfaces

Standard Army Retail Supply System-Objective

Commodity Command Standard System

Total Asset Visibility



Standard Army Intermediate Level Supply System

AWR Deployment System

Army Materiel Command Installation Supply System

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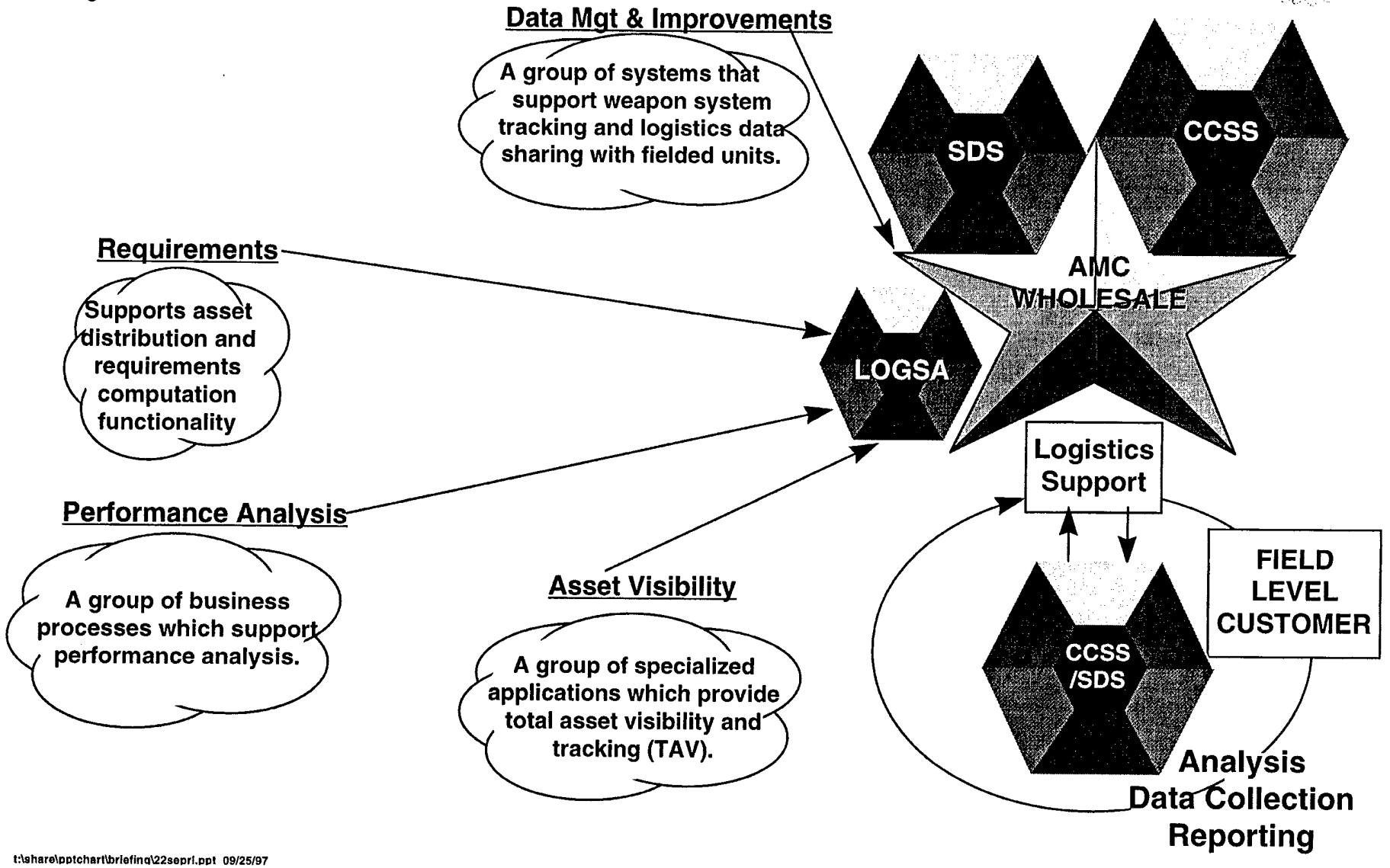
Integrated Wholesale Business Area Logistics Support



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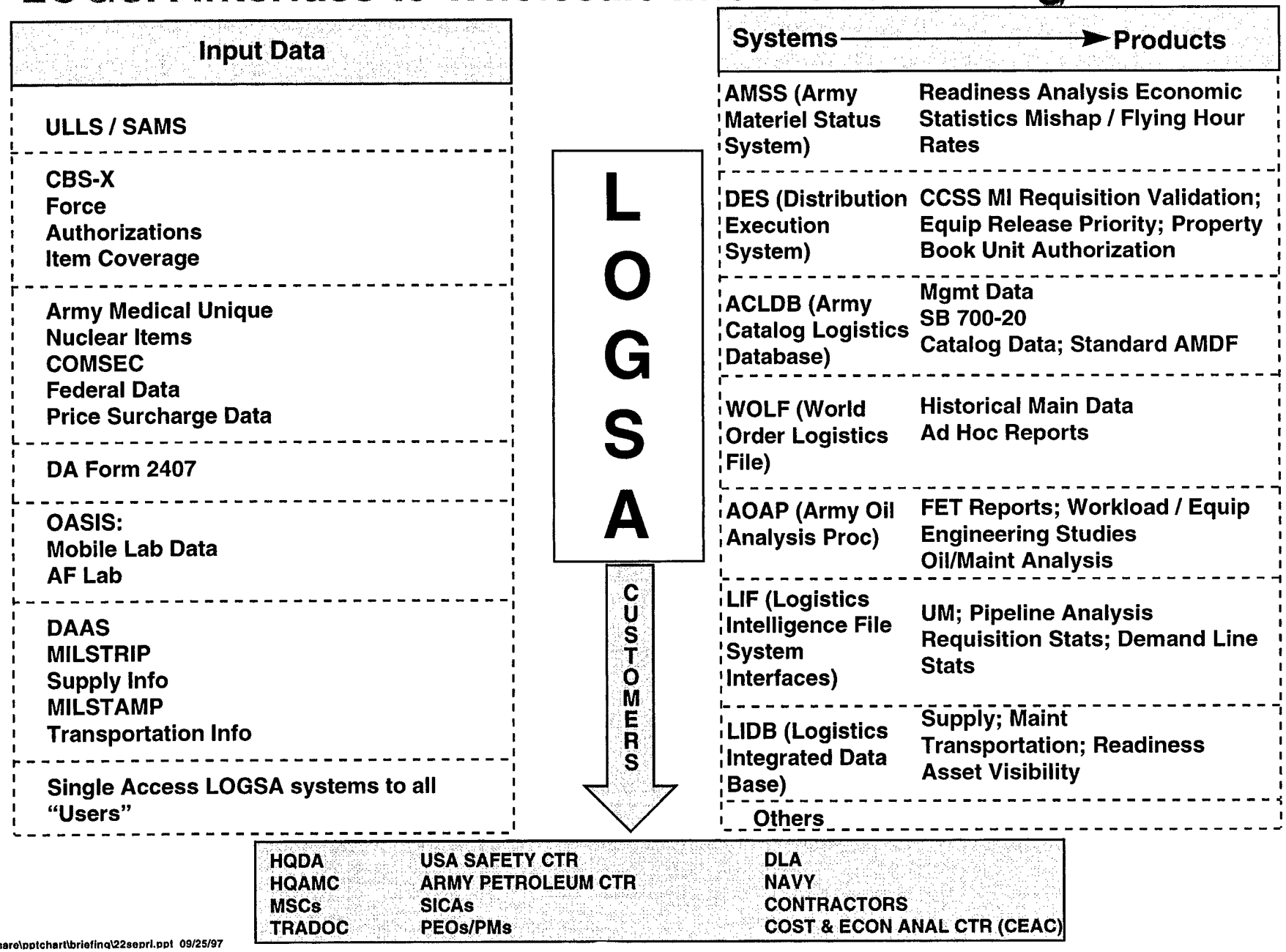
LOGSA Interface to Wholesale Information Management



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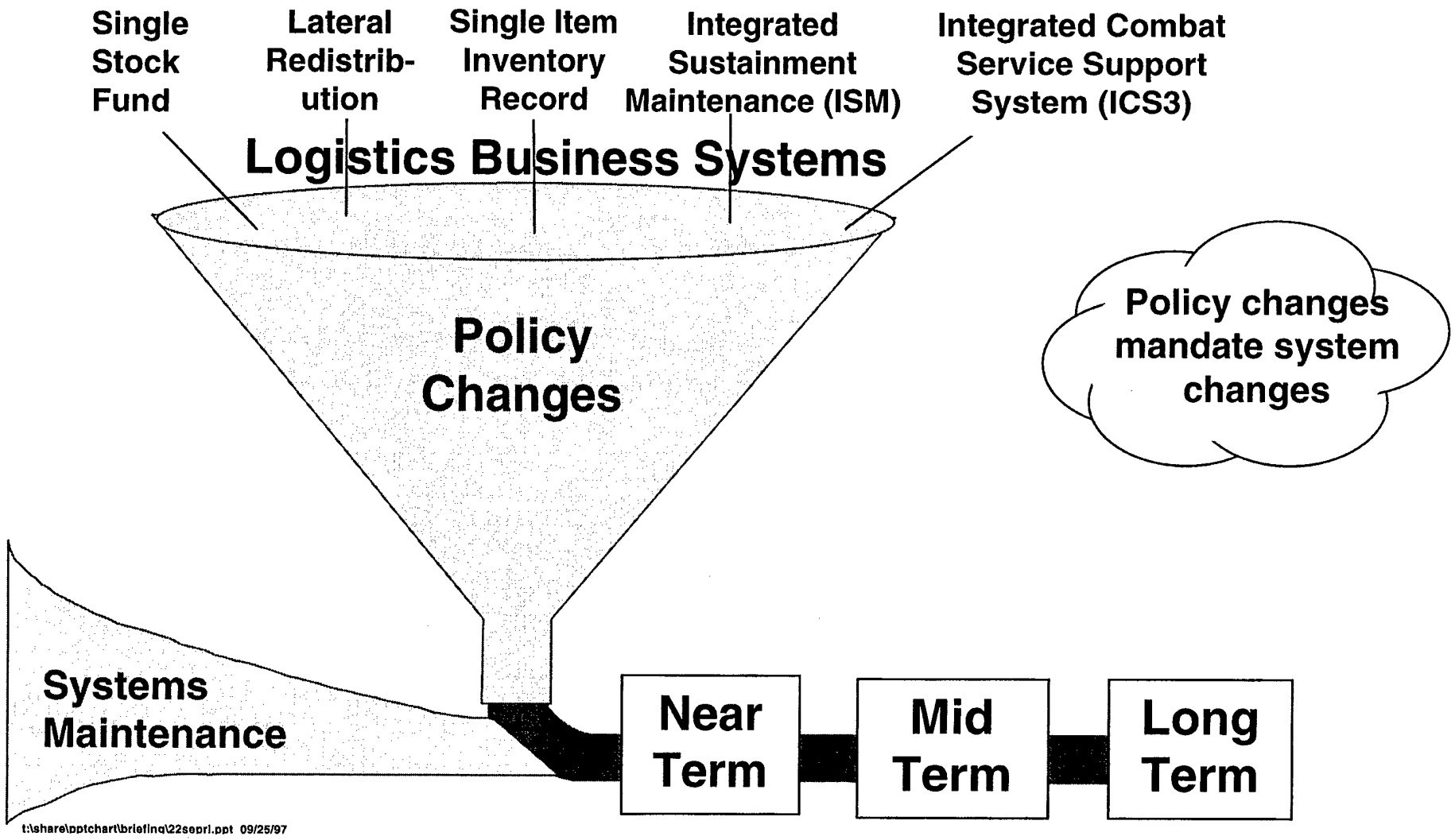
Other On-Going Army Initiatives



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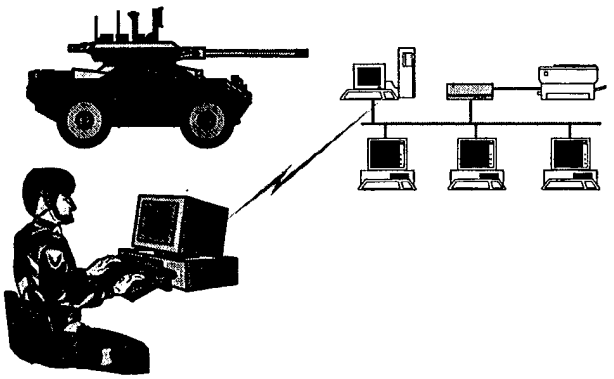
On-Going CCSS Modernization

NEAR TERM (QUICK PAYBACK, SHORT TURNAROUND)

- **Streamline CCSS Processes**
  - Database Incompatibilities
  - On-Line Output Products
  - Common User Interface
  - Automated Transaction Generation
  - Single Sign On
- **Business Improvements**
  - On-Line Supply Control Studies and Budget Stratification
  - Real-Time Requisitioning
  - Others



MID TERM (3-5 YEARS)

- Improved Systems Environment
- Internet / Intranet
- Improved Database Management
- Interoperability (ICS3 - Phase II)
- Data Standardization
- User Tools and Documentation
- Locally Configured Reports

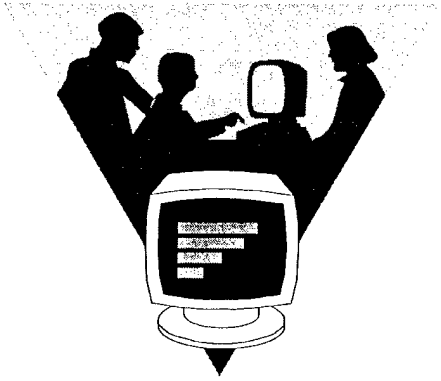
LONG TERM (6-10 YEARS)

- Achieve seamless logistics (ICS3, Phase III)
- Future battlefield support
- Compliance with DOD objectives

On-Going SDS Modernization

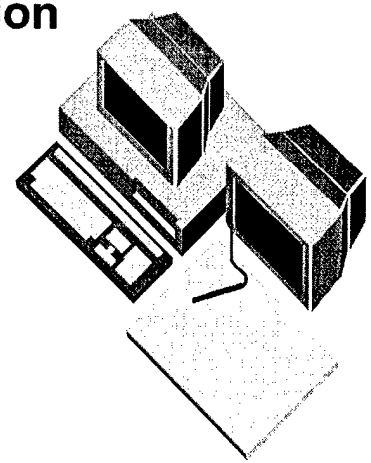
NEAR TERM

- Data Collection System (SDS MRP)
- Common User Interface - (Windows)
- Relation Data Base Capabilties (Oracle)
- Modeling (AMSS)



MID TERM

- Data Standardization
- Internet/Intranet
- Mid Tier Migration



LONG TERM

- ICS3 Integration
- Ammunition Standard System
- COE Compliance

Summary

- The Army's Wholesale Systems are highly integrated, and have established interfaces to support its business practices
- Interfaces are key to succession of data between business processes
- Some business processes, while similar in nomenclature, also support different needs
- Our ultimate customer is the Army soldier

SDS Business Functions Supported

AMCISS

- Retail Stock Record Accountability
- Requisitions, Receiving, Turn-Ins
- Self Service Supply Centers
- Cataloging
- Locations
- Inventory
- Adjustments
- Shipping
- Cycle Inspection

Depot Maintenance

- HQ Industrial Operations Command Interfaces
- Production, Planning and Control
- Maintenance Resource Planning
- GOCO/GOGO Applications
- Maintenance Activity Information Logistics Systems
- Aviation Roundup Mainframe Management Information Systems
- Adjustments
- Shipping
- Cycle Inspection

Ammunition

- Receiving
- Shipping / Transportation
- Inventory Adjustments
- Cataloging
- Locations
- Surveillance
- Asset Reporting

Point of Sales Store

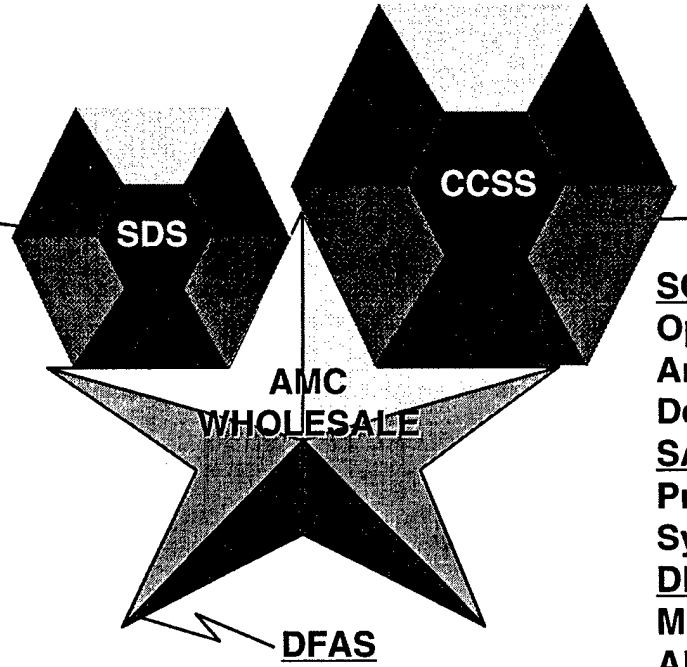
- Receipts
- Stockage Computation
- Credit Checks
- Sales
- Replenishment
- Summary Reports

*DPACS

- Authorizations
- Equipment Maintenance
- Equipment Utilization
- Asset Reporting
- Depreciation

*DFAS Managed

Wholesale Business Area Financial Interfaces DFAS Managed Systems



SDS

SIFS - Std Industrial Funds System
RASFIARS - Retail Army Stock Fund Financial Inventory Accounting System
AFES - Automated Financial Entitlement System

AMCISS

Installation Supply System

CCSS

SOMARDS - Standard Operation & Maintenance Army Research and Development Service
SAPAS - Standard Army Procurement Appropriation System
DELMARS - Data Element Mgmt & Reporting System
AFES - Automated Financial Entitlement System
RASFIARS - Retail Army Stock Fund Financial Inventory Accounting System

DFAS
Defense Finance and Accounting Service

- Collections
- Disbursements
- Logistics Transactions
- Fiscal Transactions
- Industrial Funds, etc.

Acronym List

CCSS - COMMODITY COMMAND STANDARD SYSTEM
SUITE OF AMC STANDARD AUTOMATED TOOLS USED TO SUPPORT NICPs IN MANAGEMENT OF THE ARMY WHOLESALE LOGISTICS WEAPON SYSTEM LIFE CYCLE

SDS - STANDARD DEPOT SYSTEM
SUITE OF AMC STANDARD AUTOMATED TOOLS USED TO SUPPORT DEPOT OPERATIONS MANAGEMENT FOR ARMY RETAIL LOGISTICS

WARS - WORLDWIDE AMMUNITION REPORTING SYSTEM
PROVIDES WORLDWIDE CLASS "V" REQUIREMENTS AND ASSET VISIBILITY FOR THE ARMY

ICS3 - INTEGRATED COMBAT SERVICE SUPPORT SYSTEM
INITIATIVE FOR SOLE ARCHITECTURE WITH CAPABILITY FOR A SINGLE, SEAMLESS (WHOLESALE/RETAIL) AUTOMATED INFORMATION/EXECUTION SYSTEM

SARSS - STANDARD ARMY RETAIL SYSTEM
REAL-TIME SUPPLY SYSTEM PROVIDING AUTOMATION TO DIRECT SUPPORT UNITS FOR TRANSACTION SOURCE DATA ENTRY, I.E., RECEIVING, STORING, ETC.

SAAS - STANDARD ARMY AMMUNITION SYSTEM
MANAGEMENT OF CLASS "V" CONVENTIONAL AMMUNITION TO INCLUDE GUIDED MISSILES AND LARGE ROCKETS

SAILS - STANDARD ARMY INTERMEDIATE LEVEL SUPPLY SYSTEM
ACCOMPLISH ALL STOCK CONTROL, SUPPLY MANAGEMENT, AND RELATED FINANCIAL MANAGEMENT FUNCTIONS FOR CLASS II, III (PACKAGED), IV, VII, VIII AND IV

Acronym List
(continued)

TAV - TOTAL ASSET VISIBILITY
SINGLE, AUTHORITATIVE SOURCE OF VARIOUS CATEGORIES OF ASSET DATA TO SUPPORT MANAGERS/DECISION MAKERS TO ARMY COMMUNITY

DAAS - DEFENSE AUTOMATIC ADDRESSING SYSTEM
WORLDWIDE COMPUTERIZED MESSAGE CENTER ROUTING SUPPLY DOCUMENTS BETWEEN REQUISITIONERS AN SUPPLY ACTIVITIES

DFAS - DEFENSE FINANCIAL ACCOUNTING SERVICE
CURRENT SUITE OF 163 MAJOR ACCOUNTING SYSTEMS PROVIDING DOD FINANCIAL MANAGEMENT FOR MYRIAD OF MILITARY-RELATED OPERATIONS TO INCLUDE MILITARY/CIVILIAN PAY, TRANSPORTATION PAYMENT, ETC.

SAMMS - STANDARD ARMY MAINTENANCE MANAGEMENT SYSTEM
DA LOGISTICS SYSTEM PROVIDING UNIFORMITY AND STANDARDIZATION WITHIN THE THREE LEVELS OF MAINTENANCE MANAGEMENT (NATIONAL/WHOLESALE/RETAIL)

MTMC - MILITARY TRAFFIC MANAGEMENT COMMAND
DOD SINGLE TRAFFIC MANAGER PROVIDING TRAFFIC MANAGEMENT, TRANSPORTATION ENGINEERING, AND COMMON-USER TERMINAL SERVICES TO ALL DOD CUSTOMERS.

FLIS- FEDERAL LOGISTICS INFORMATION SYSTEM
FEDERAL CATALOGING SYSTEM MAINTAINED BY THE DEFENSE LOGISTICS SYSTEMS CENTER (DLSC) UTILIZED BY ALL SERVICES, COMPONENTS AND FEDERAL AGENCIES

Acronym List
(concluded)

SAACON - STANDARD ARMY AUTOMATED CONTRACTING SYSTEM
SUPPORTS ALL CONTRACTING SERVICES FOR BOTH WHOLESALE AND RETAIL, SUCH AS BASE OPERATIONS, ETC.

ACPERS - ARMY CIVILIAN PERSONNEL SYSTEM
CENTRAL DEPOSITORY FOR ALL ARMY CIVILIAN PERSONNEL RECORDS, TO INCLUDE CAREER TRANSCRIBE

OSC - OBJECTIVE SUPPLY CAPABILITY
STANDARD AUTOMATED CAPABILITY DESIGNED TO INTEGRATE THE ASSET BALANCE FILES MAINTAINED BY VARIOUS RETAIL LOGISTICS SYSTEMS

ULLS - UNIT LEVEL LOGISTICS SYSTEM
REAL-TIME SUPPLY AND MAINTENANCE MGMT SYSTEM PROVIDING CAPABILITY ENTIRE RANGE OF SUPPLY FUNCTIONS ASSOCIATED WITH MAINTENANCE AT UNIT AND BATTALION LEVEL

OASIS - OIL ANALYSIS STANDARD INTERSERVICE SYSTEM
SUPPORTING AUTOMATED SYSTEM FOR THE ARMY OIL ANALYSIS PROGRAM IDENTIFYING EQUIPMENT DATA ON A FLEET-WIDE BASIS, UNIT OF ASSIGNMENT, AND MAJOR/SECONDARY ITEM DATA

CBS-X - CONTINUING BALANCE SYSTEM, EXPANDED
AUTOMATED SYSTEM FOR ACCOUNTING OF EXISTING ASSETS IN SUPPORT OF MAJOR ITEM MANAGEMENT

NOTES

CENTRAL DESIGN ACTIVITY ORGANIZATION AND TECHNICAL OVERVIEW

Logistics Systems Support Center - Commodity Command Standard System

MR. DAVID SWANSON

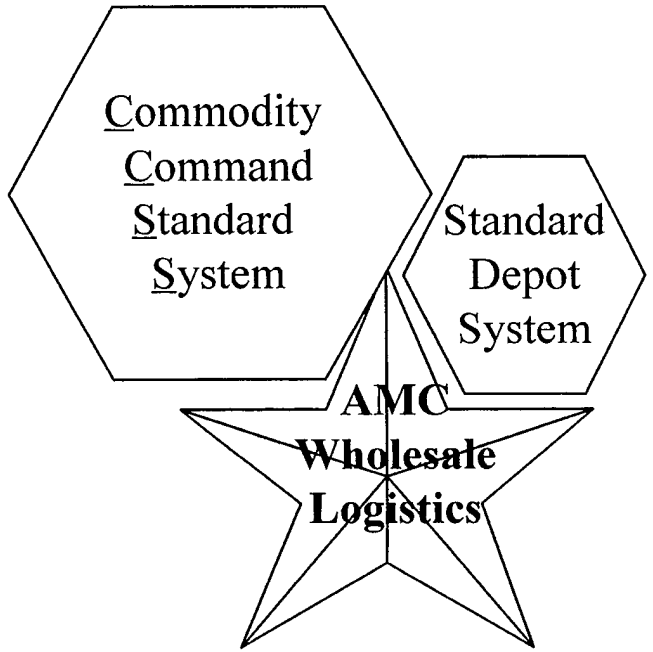
DIRECTOR FOR BUSINESS INFORMATION SYSTEMS
U. S. ARMY CECOM LOGISTICS SYSTEMS SUPPORT CENTER

Central Design Activity Organization & Technical Overview

Commodity Command Standard System (CCSS)

Briefer: Dave Swanson

Logistics Modernization Awareness Day
20-21 October 1997



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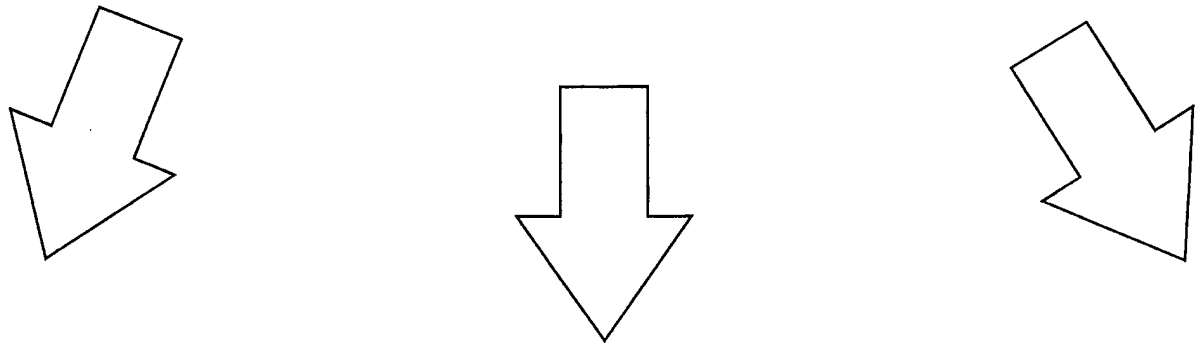
Briefing Outline
The Commodity Command Standard System

- CCSS Profile
  - Major Business Areas
  - The Integrated Logistics Automation Environment
  - Magnitude and Size
- CCSS Central Design Activity Organizational Profile
- CCSS Structure, Functionally & Technically
- CCSS Configuration Management
- CCSS Major Design and Modernization Initiatives

CCSS: A Definition

CCSS is a standard AMC Automated Logistics System that supports Wholesale Logistics Functions for ...



A Large Business Base

A Diverse Range of Commodities

Six Major Business Areas

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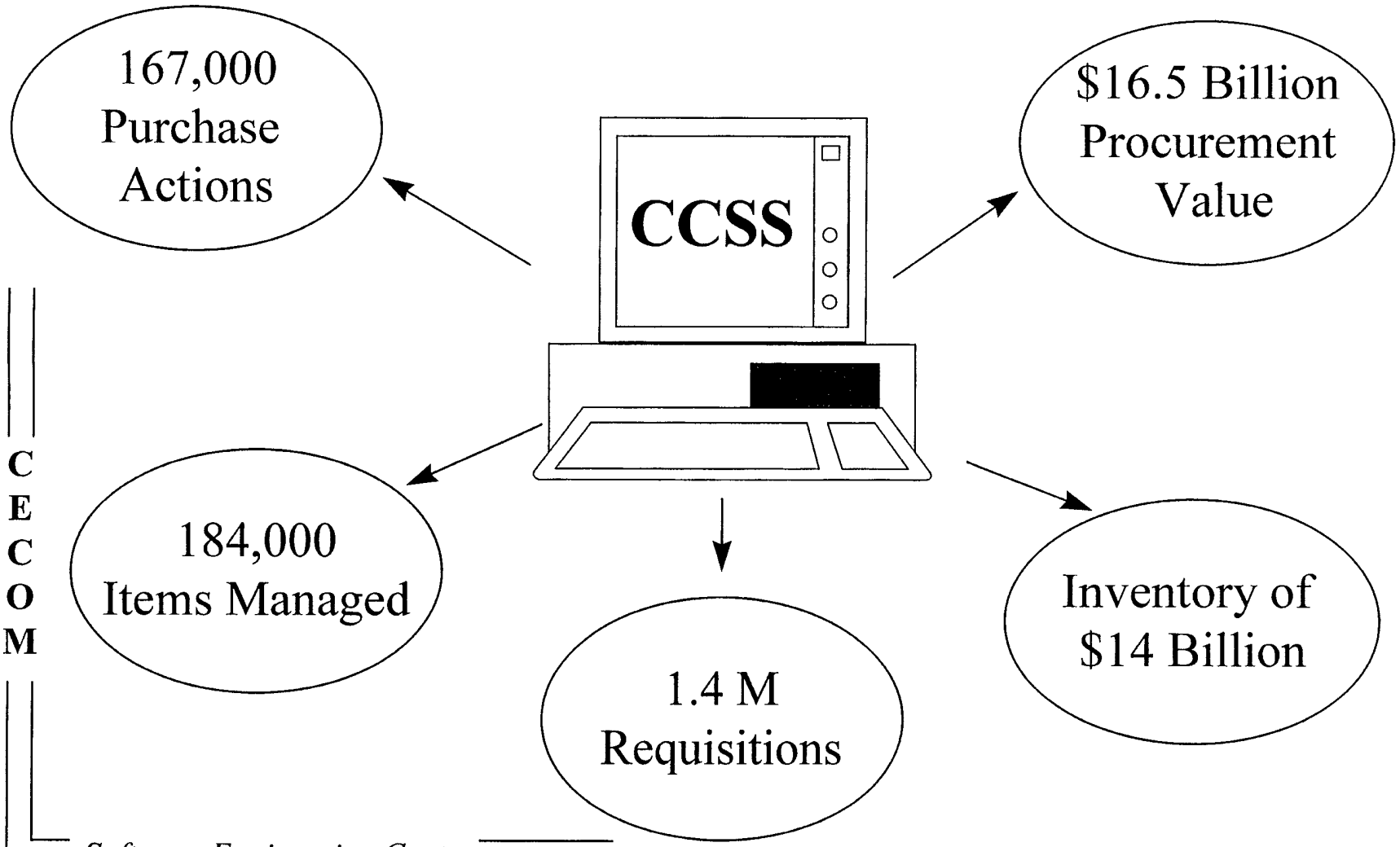
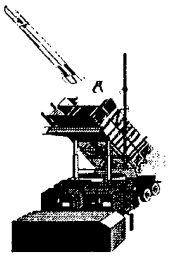
CCSS Annual Business Base Supported...

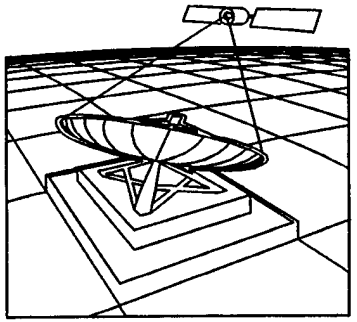


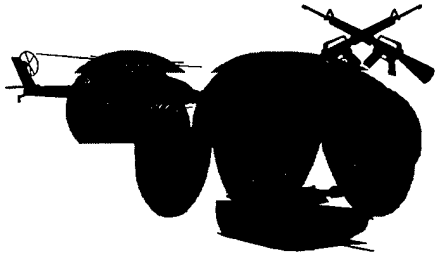
CECOM

Software Engineering Center

CCSS Commodities Supported...







A diverse range

- Major End Items/Weapon Systems
- Repair Parts
- Special Tools
- Ammunition

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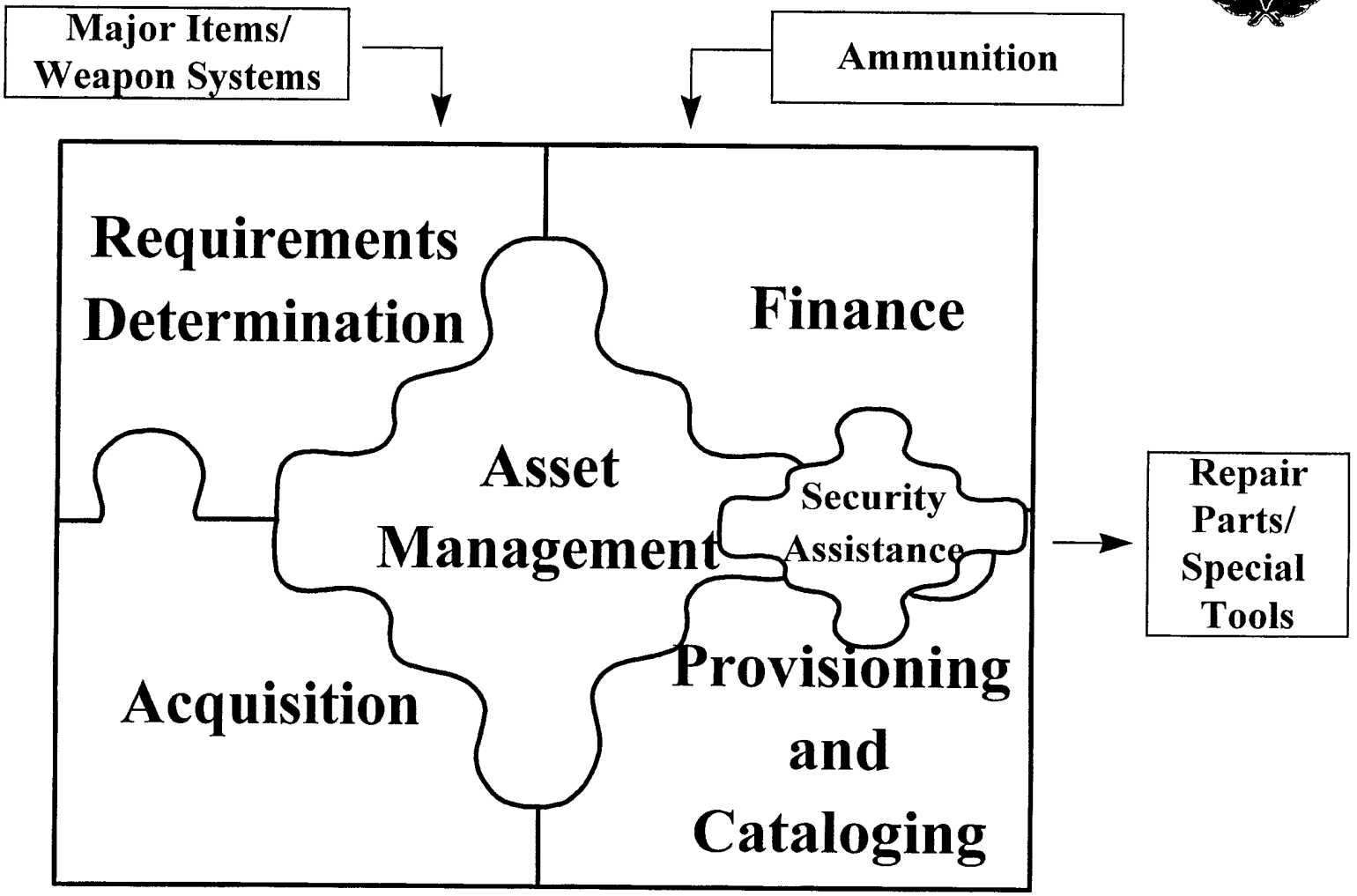
Software Engineering Center

CCSS's Six Business Areas



C E C O M

Software Engineering Center

CCSS
Magnitude and Size

CCSS Consists of:

Variety of Software Platforms

- 10.2M Lines of Code
- 561 Applications
- 5000 Program/Modules
- 269 Files/Databases

Some On-Line Update

Processing Largely "Batch"

Data Retrieval Modes
- Queries
- Specific Programs
-Relational Database

A predominantly mainframe based logistics system

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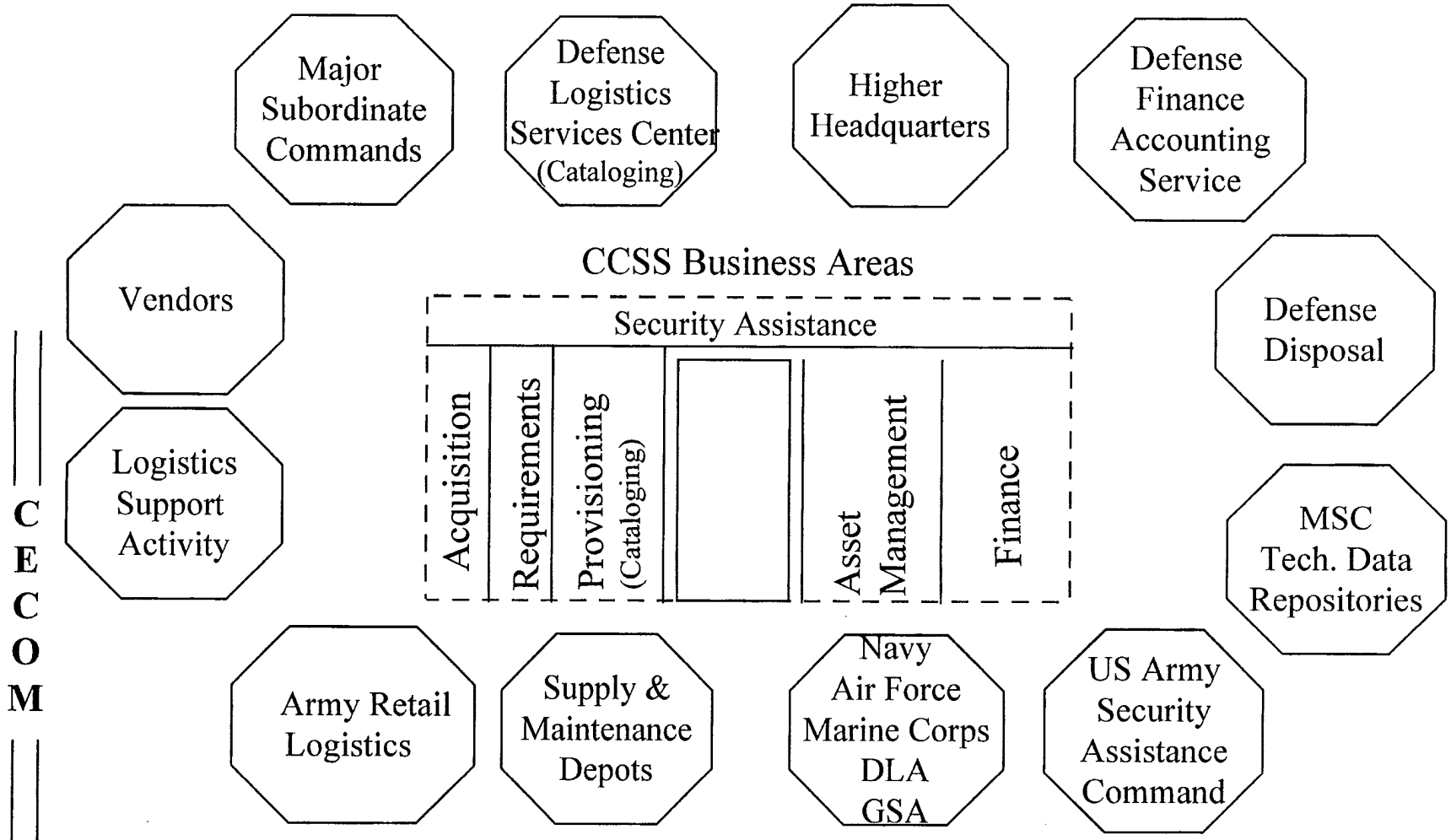
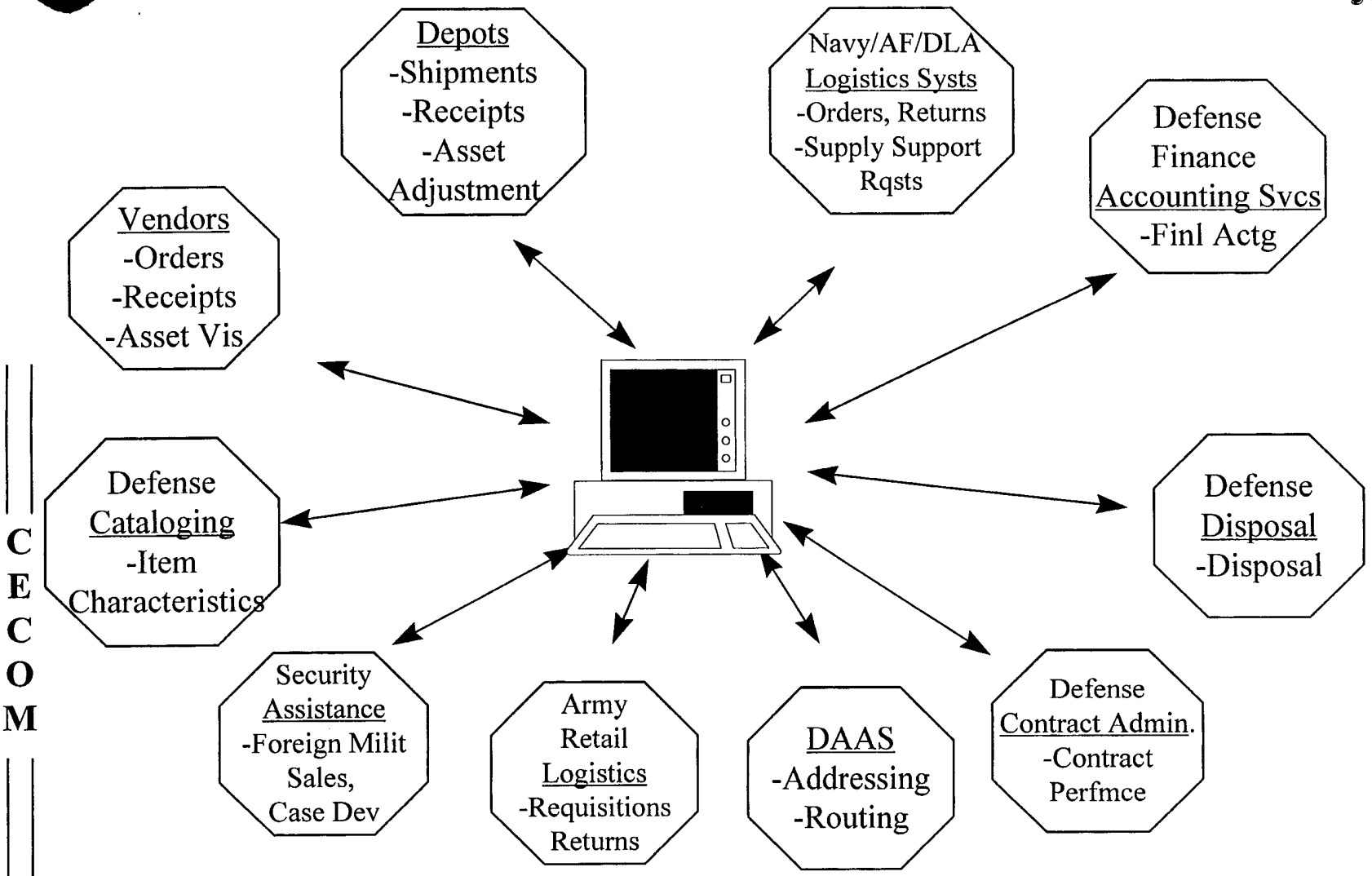
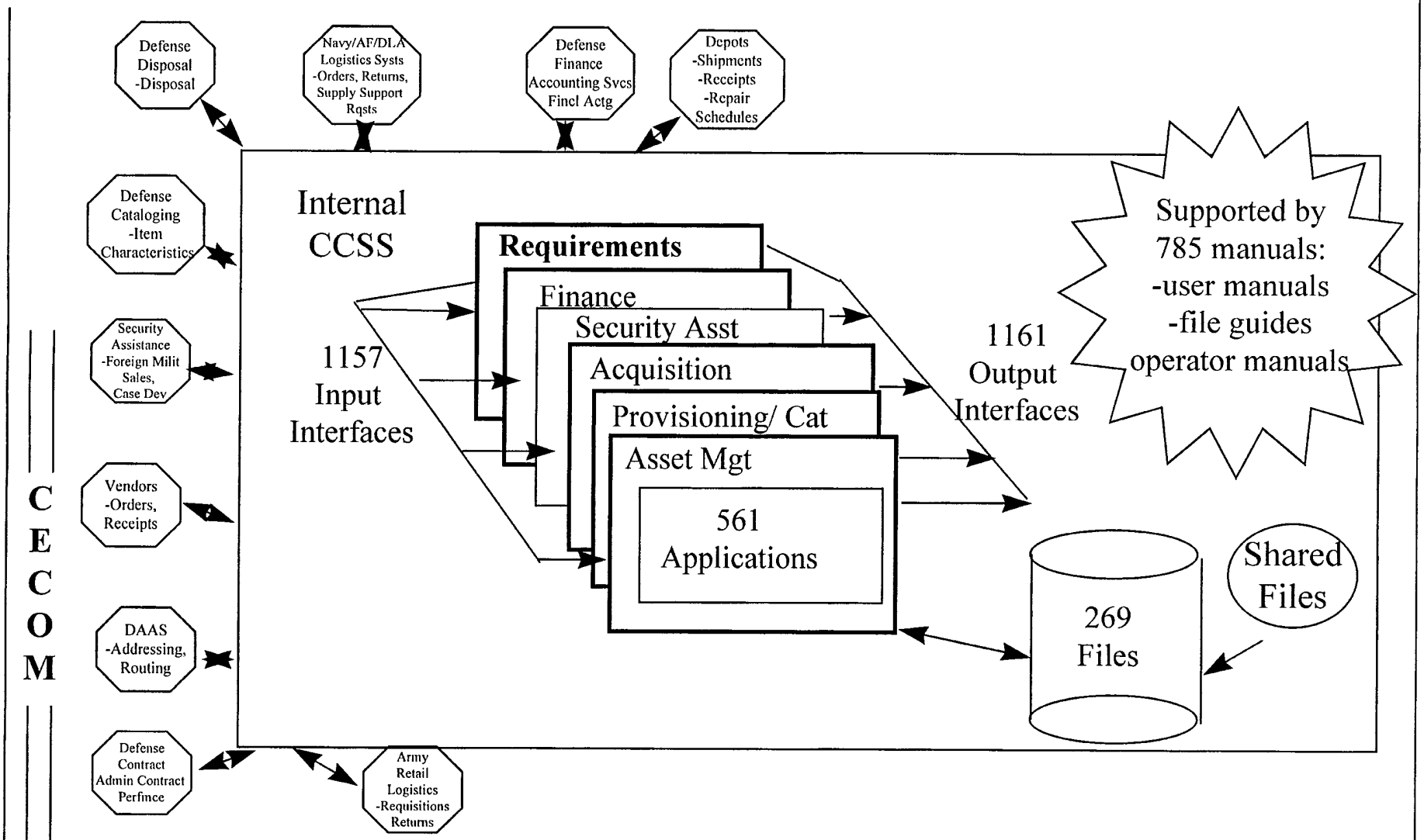
CCSS Customers



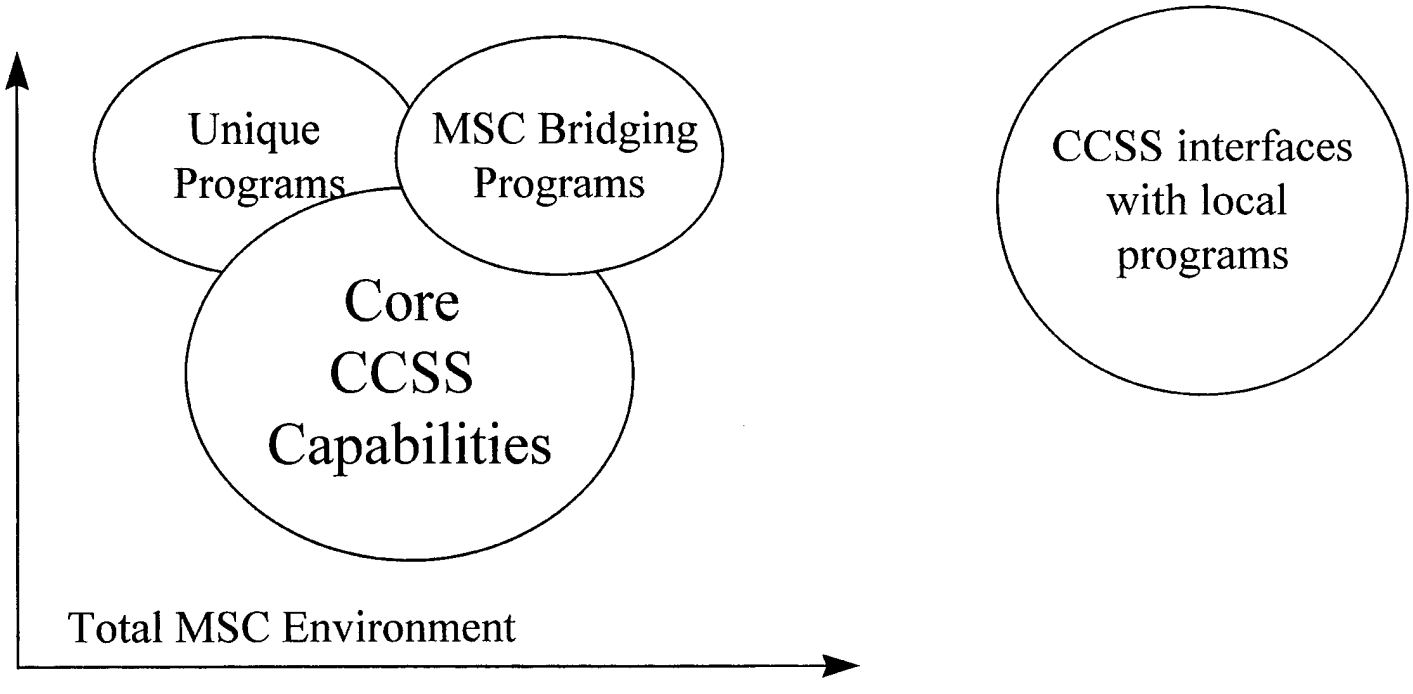
External CCSS Interfaces



CCSS Interfaces



Major Subordinate Command (MSC) Wholesale Logistics Automation Environment



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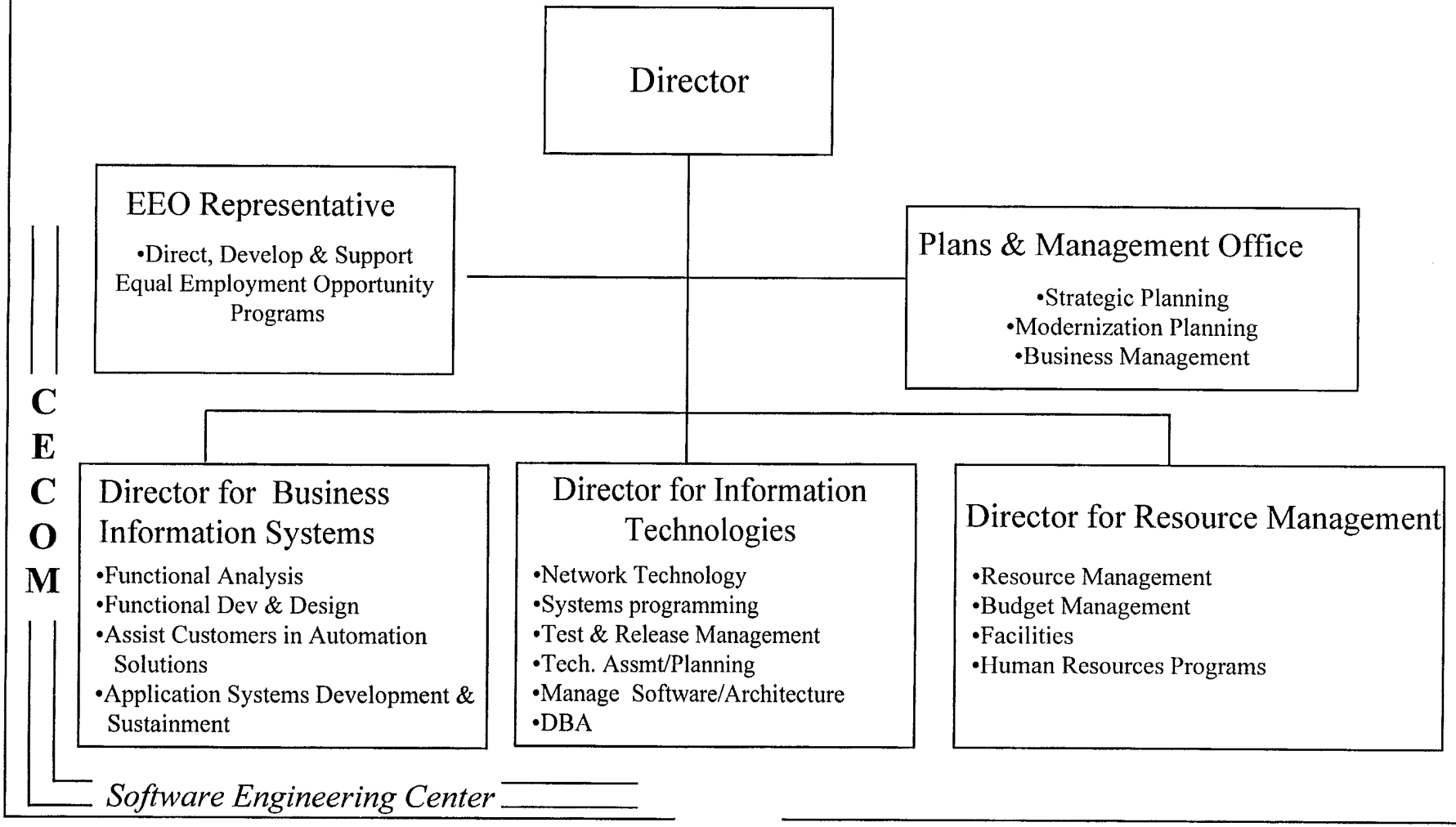
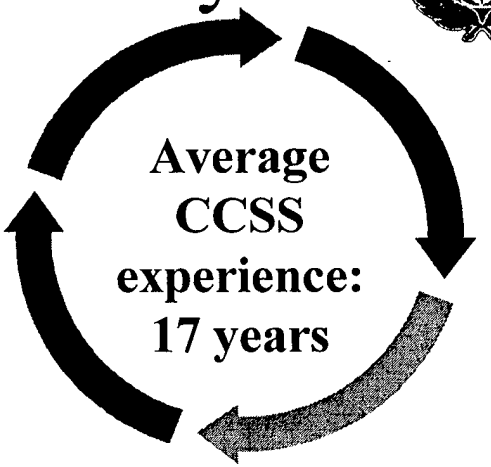
CCSS Central Design Activity Organizational Profile



CCSS Central Design Activity Skills Base



Skills:	Organic	Contract MY
Functional Analysts	82	23
Application Programmers/Analyst	96	50
Systems Programmers	66	
Software/QA Specialists	35	
Program Management	23	6
Center Operations Support	14	
	316	79

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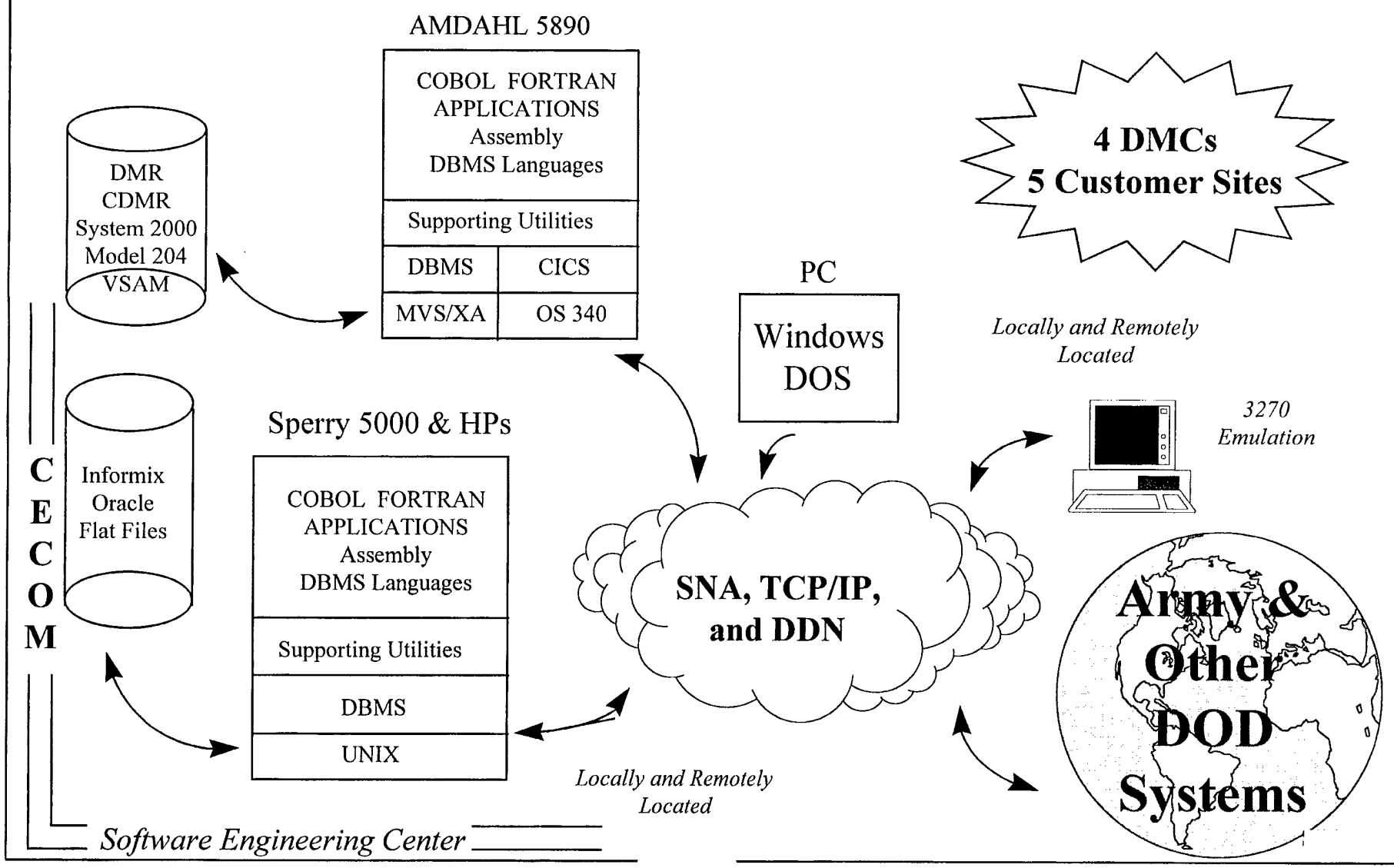
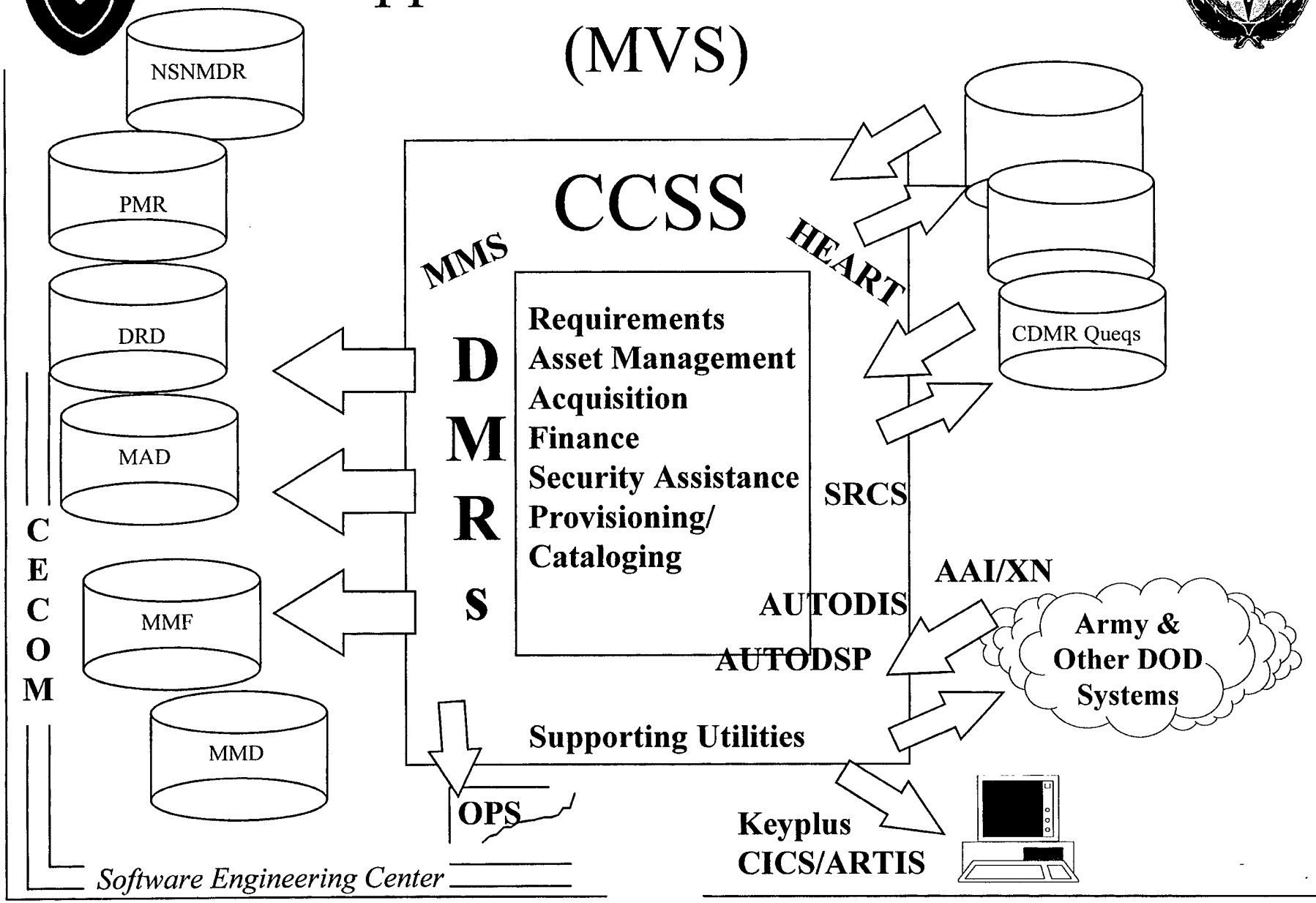
Hardware/Software Architecture



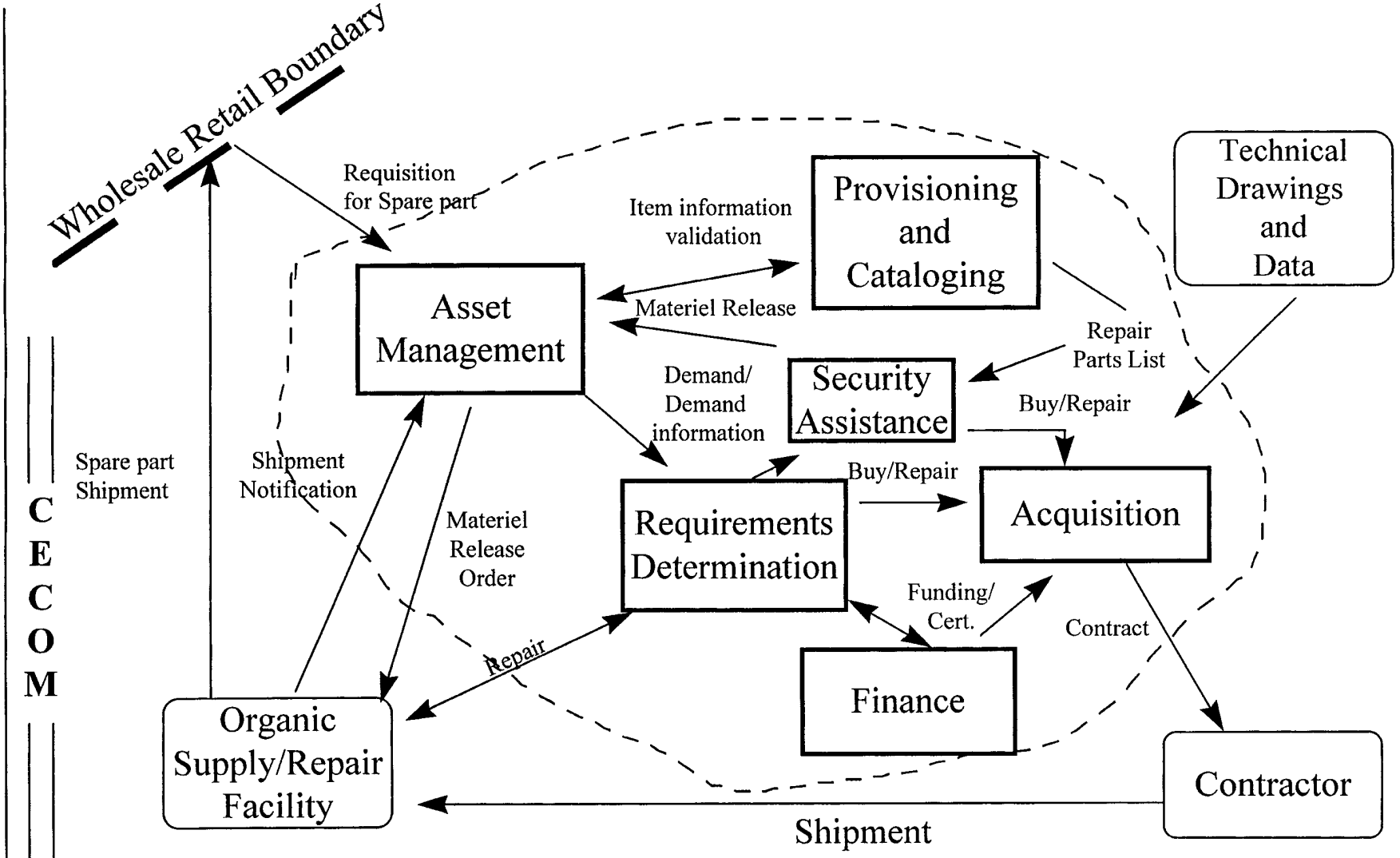
Application Architecture (MVS)



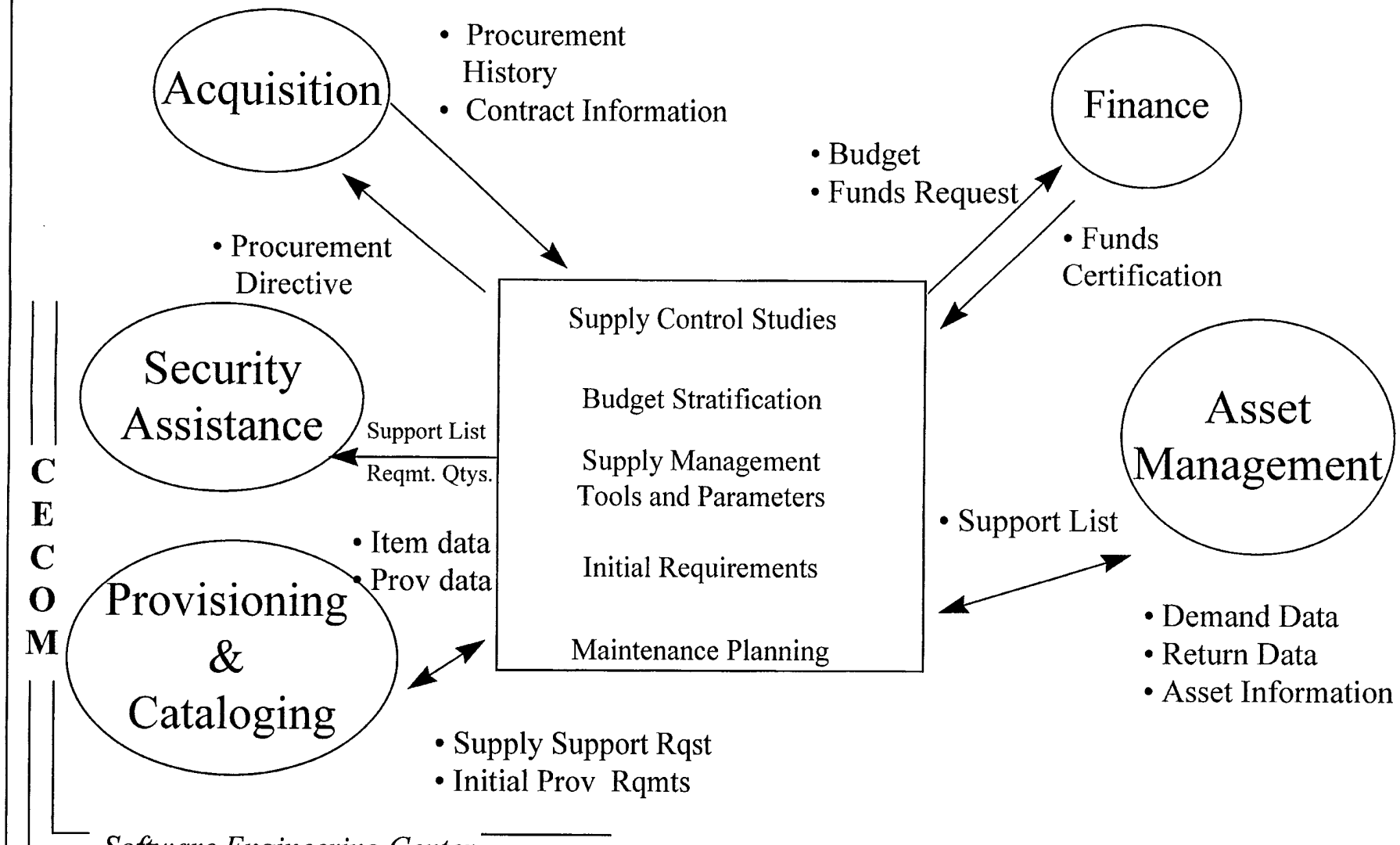
Utility/Technical Applications
(MVS)

- AAI/XN -Automated AUTODIN Interface/Extended Networking
- AUTODIS -AUTODIN Disseminator
- AUTODSP -AUTODIN Dispatcher
- CICS/ARTIS -Customer Information Control System/ Alpha Remote Terminal Inquiry System
- DRI -Data Routing Interface
- HEART -Hardcore Entry and Routing Technique
- Keyplus -Data Entry Application (Vendor Written)
- NDNLOG -DMR and DCMR System Log
- MMS -Multi Machine Scheduler
- OPS -Output Product System
- SRCS -Standard Reject Control System

CCSS
Business Area Interaction



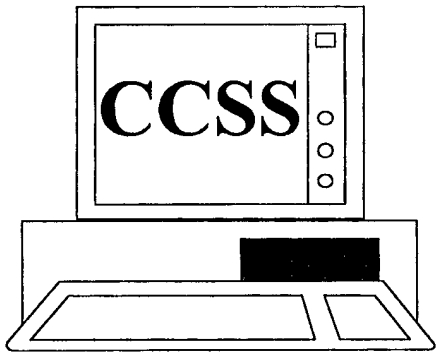
CCSS Functional Structure Requirements Determination



CCSS Flexibility

Organizational Controls:
- Controlled access
- Central Access vs. Multi-access

Parameters:
- Management influences
- Tailored to the commodity



Manual Intervention:
- Optimum balance between automatic/manual
- Maximize system effectivity

Scheduling:
- Maximizing interfaces
- Fine-tunes
- Maximizing customer support

CCSS has the *flexibility* to accommodate management decisions.

CCSS Configuration Management

Configuration Management
A Key Element

AMC Board of Directors
- Executive level decision authority for CCSS
- Provides program direction and guidance for CCSS

Configuration Control Group
- Provides functional direction for CCSS

Business Process Manager
- MSCs have been selected as area leads
- Leads BPGs reps from other MSCs

Mandatory Changes

Business Process Group
- Set up by business areas
- Command representatives
- Staffed by Systems Analysts

CCSS Users

Release Management Process
- Controls baseline
- Insures interfacing
- Standardizes change schedule

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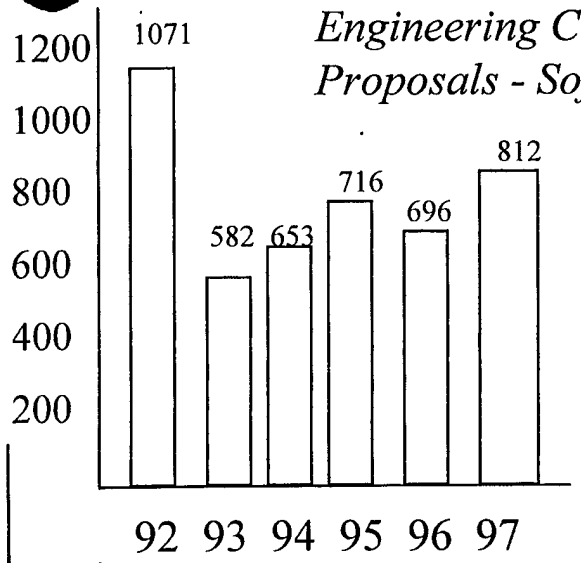
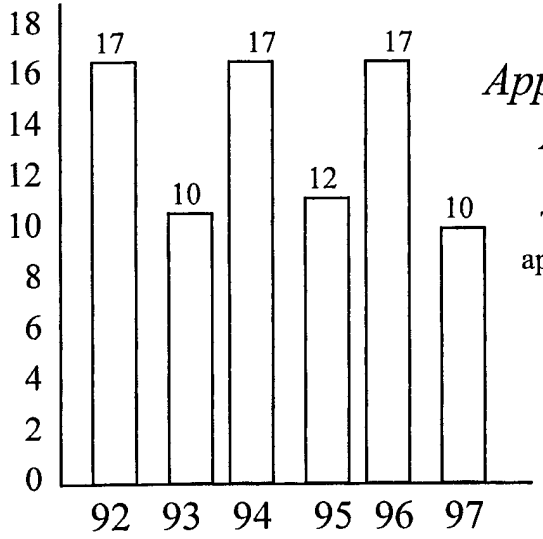
Workload Metrics

Engineering Change Proposals - Software

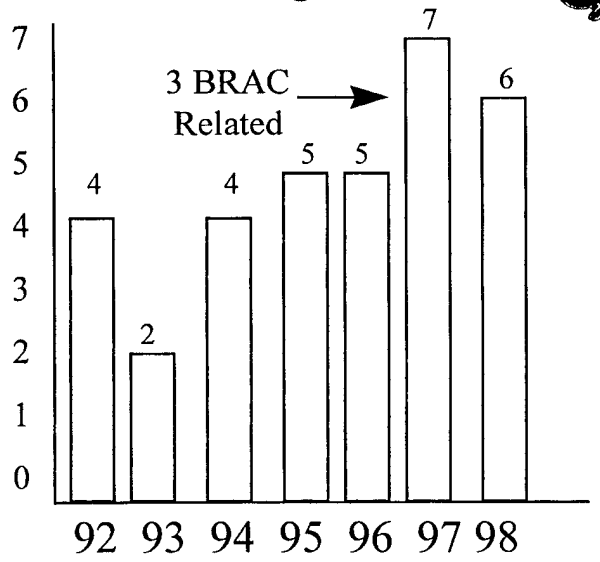


Applications Added

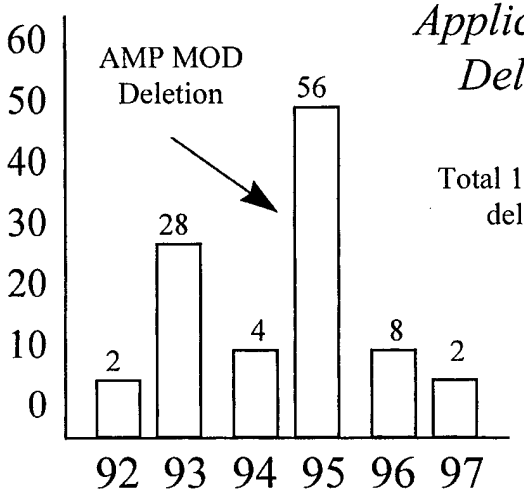


Total 83 appl added

Systems Change Packages Fielded



Applications Deleted



Total 100 Appl deleted

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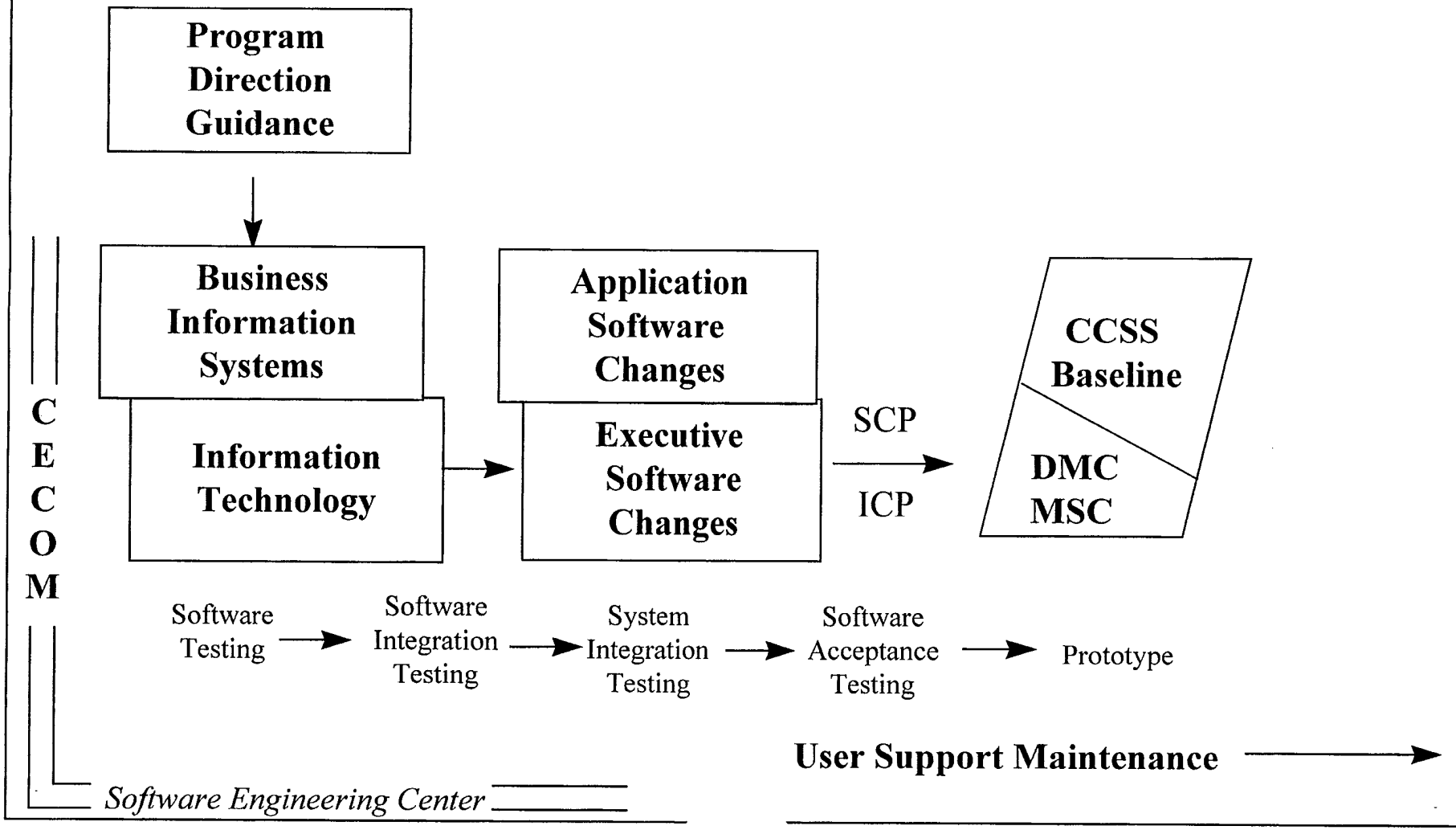
CCSS
Testing, Deployment & Maintenance



CCSS Major Automation Initiatives

		FY 97	FY98	FY99
X	BRAC 95 Files Split/Merge			
X	Year 2000 Conversion			
X	Army Materiel Changes (DOD Driven)			
$	Real Time Reqn Processing			
$	Lateral Asset Redistribution Capability			
$	Single Stock Fund		TBD	
$	Major Finance Program Merge			
$	AMMO Modernization		TBD	
$	Implement Electronic Commerce/ Electronic Data Interchange			
$	Readiness-Based Sparing War Reserves			
$	Supply Performance Analyzer			
$	On-line Budget Strat			
$	Deficiency Reporting System		TBD	

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Logistics Business Modernization

Near Term	Mid Term	Long Term
1 - 2 years	3 - 5 years	6 - 10 years
- Business Process Modeling - Automated Transaction Generation - On-line Output Products - Data Standardization - Resolve Database Incompatibilities	- Improve Systems Environment - Exploit Technology -Interoperability	- Streamline Processing - Achieve Compliance with DOD log objectives

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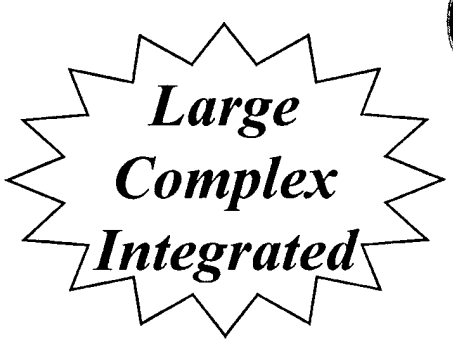
Summary



CCSS is...

- AMC's Standard Wholesale Logistics Automation System
- A highly integrated system
- Integrated/interfaced with all DOD logistics systems
- Largely mainframe based: 10+ million lines of code
- Built on several highly interrelated technical platforms
- Managed by a disciplined configuration management and release process
- Being upgraded and modernized to meet DOD Logistic Modernization objectives

Additional Business Area Views

C
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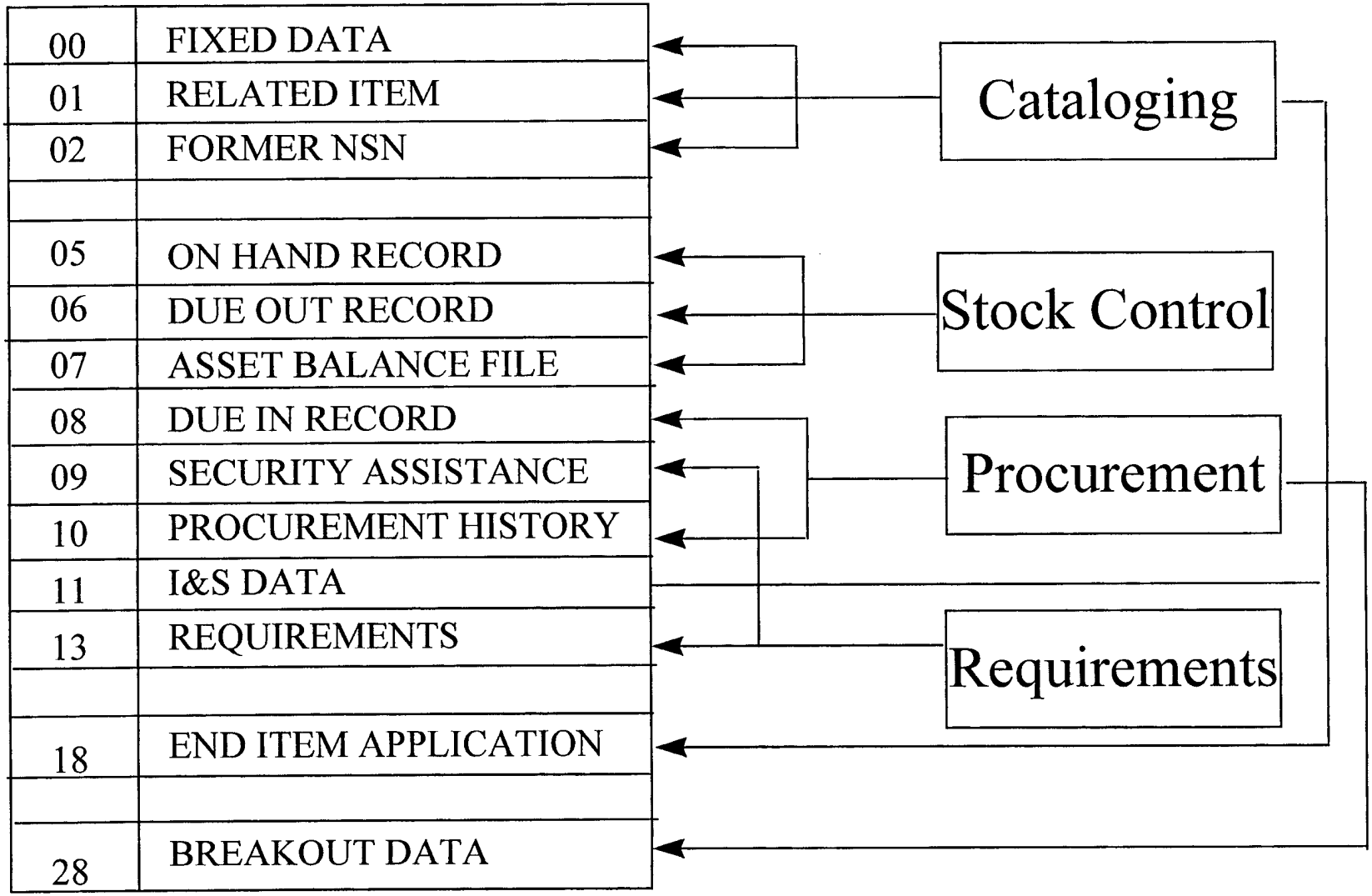
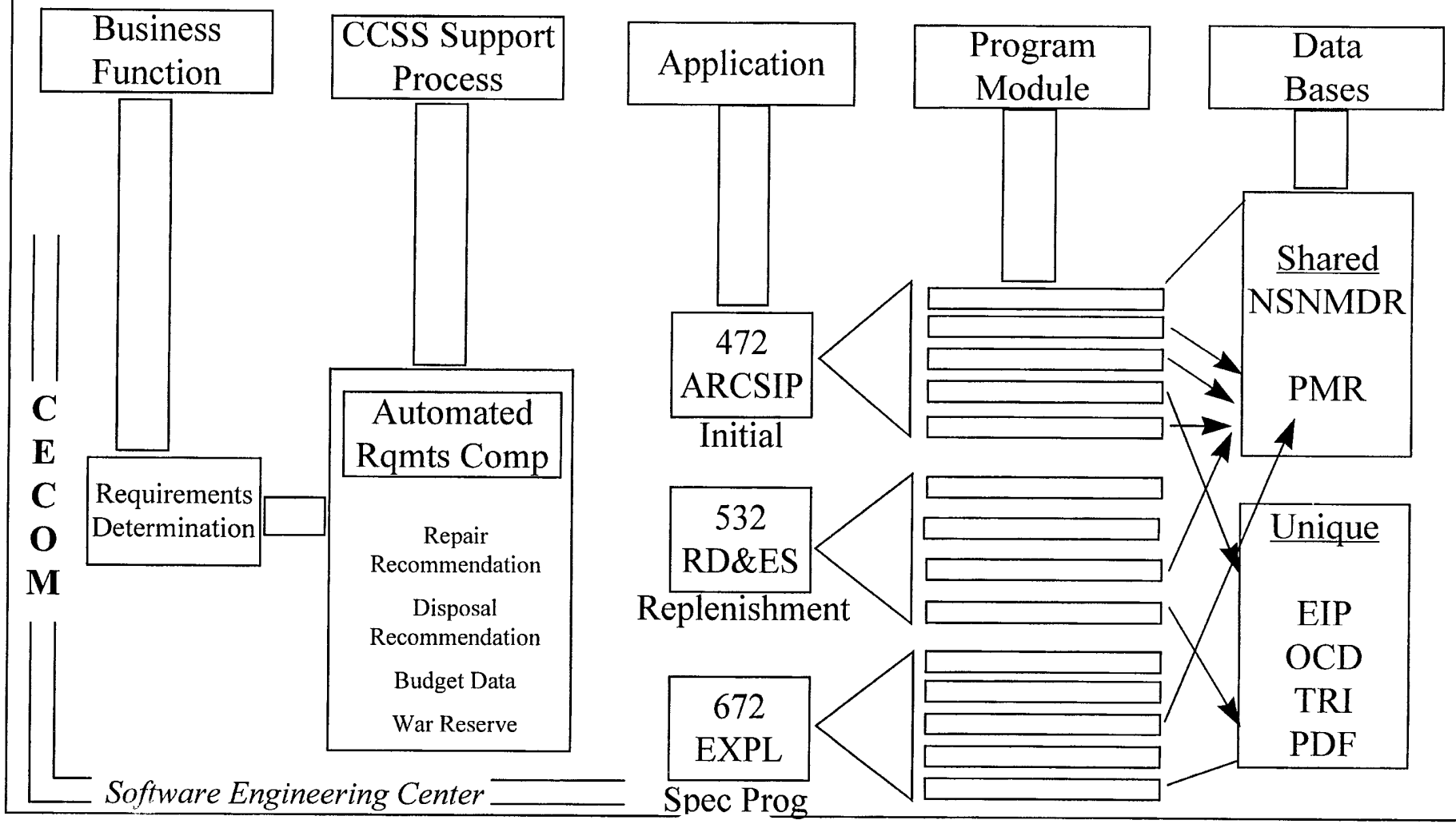
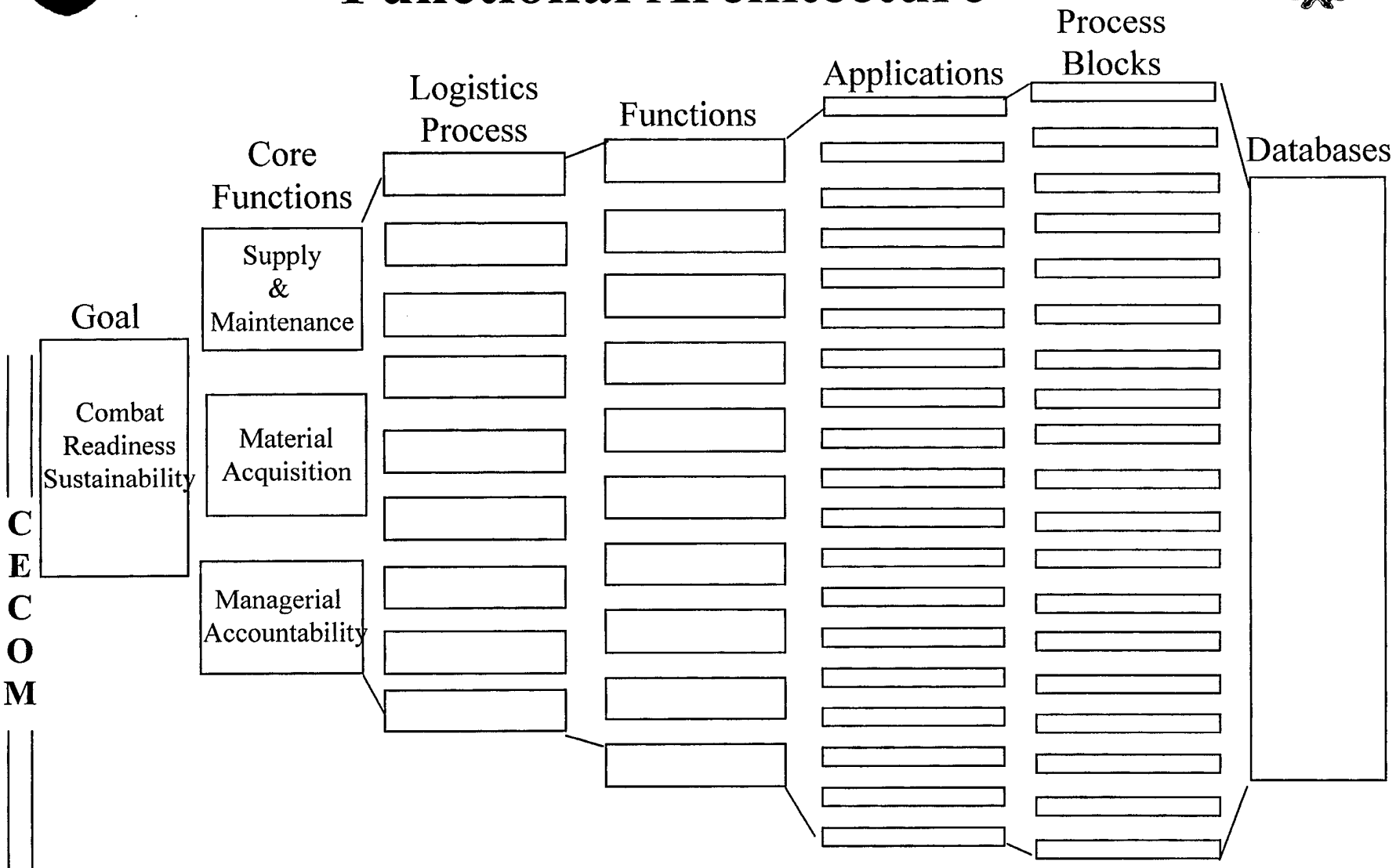
Data Integration



LOGISTICS SYTEMS SUPPORT CENTER



CCSS Background
Functional Architecture



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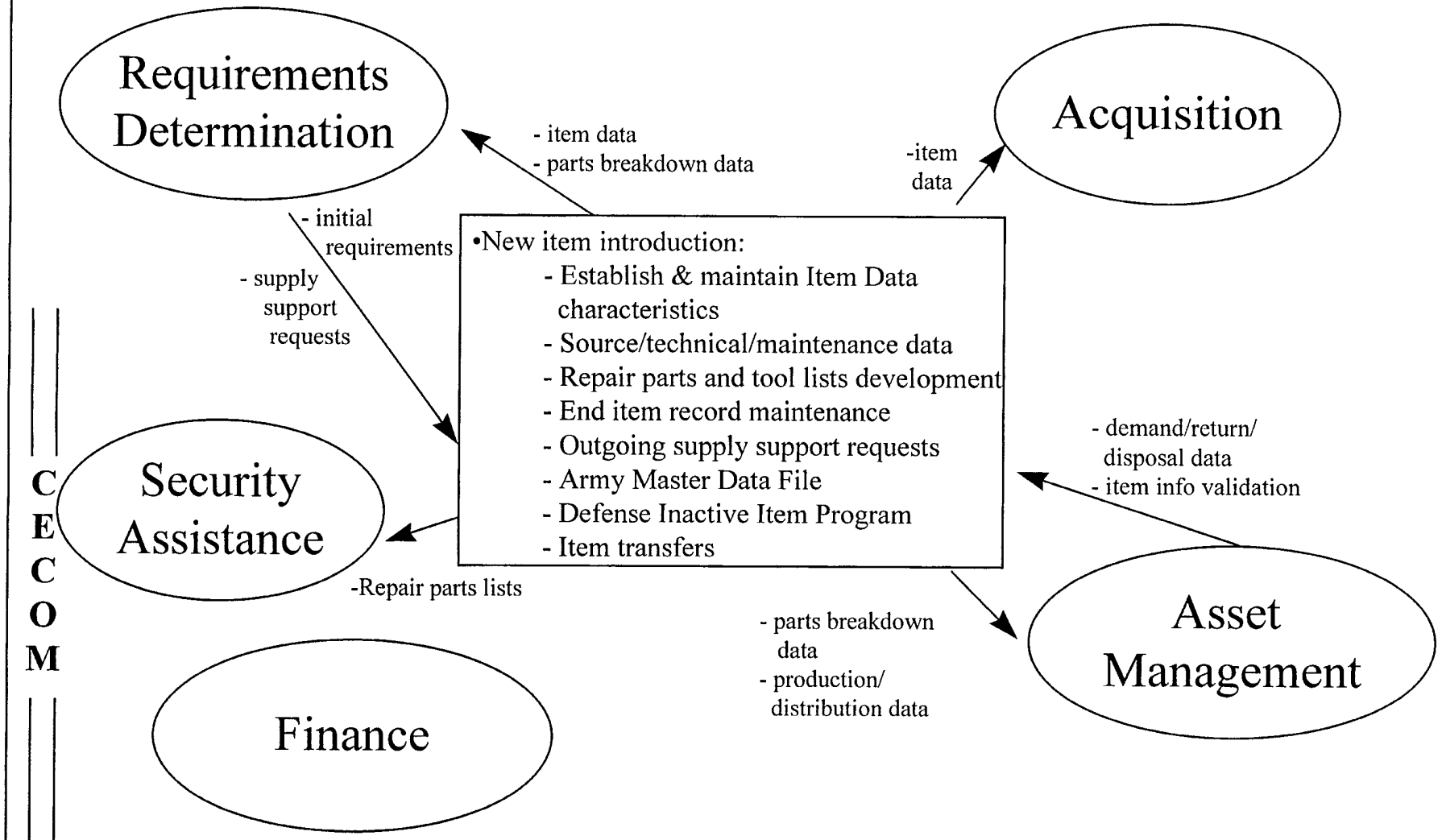
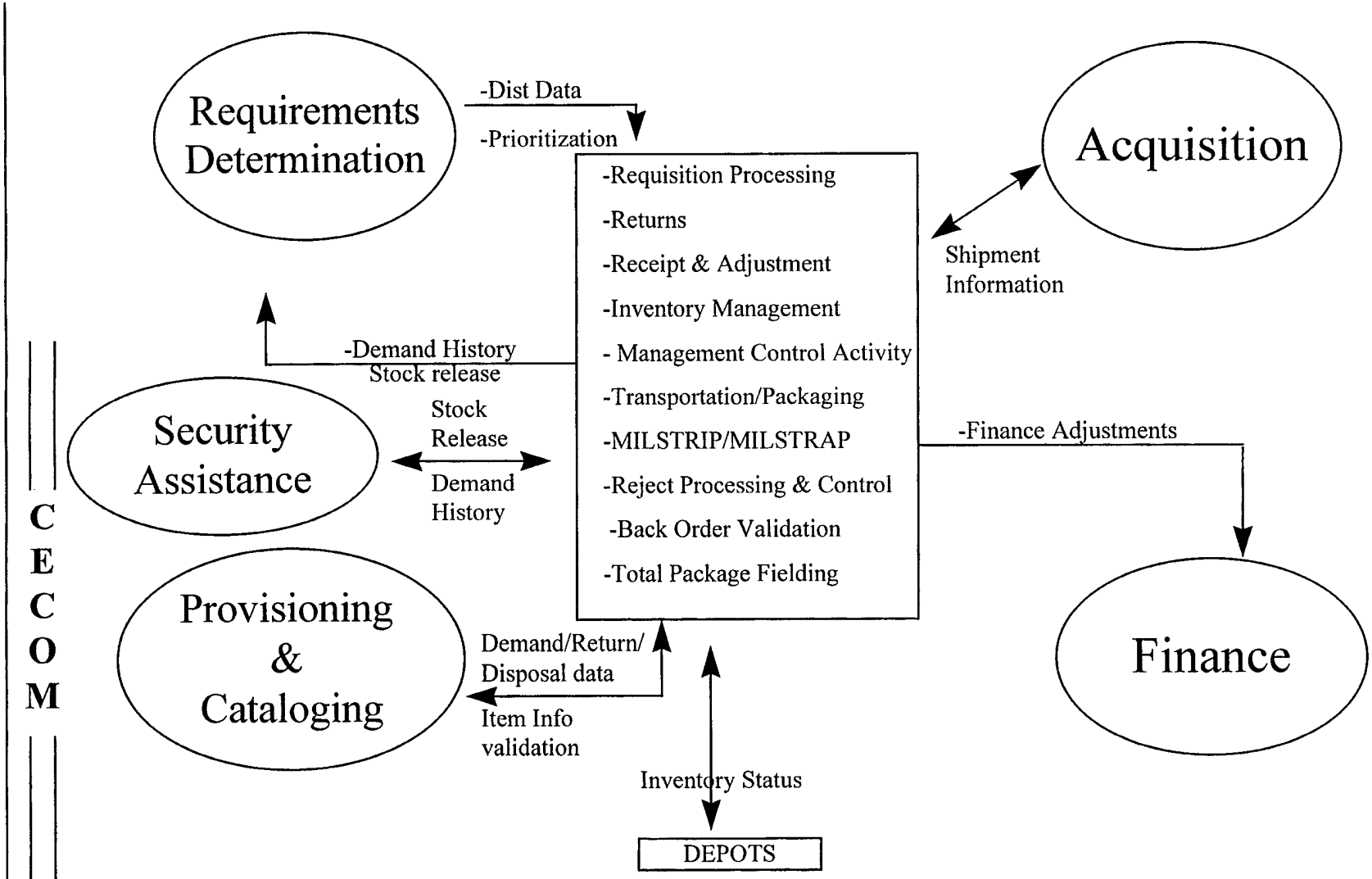
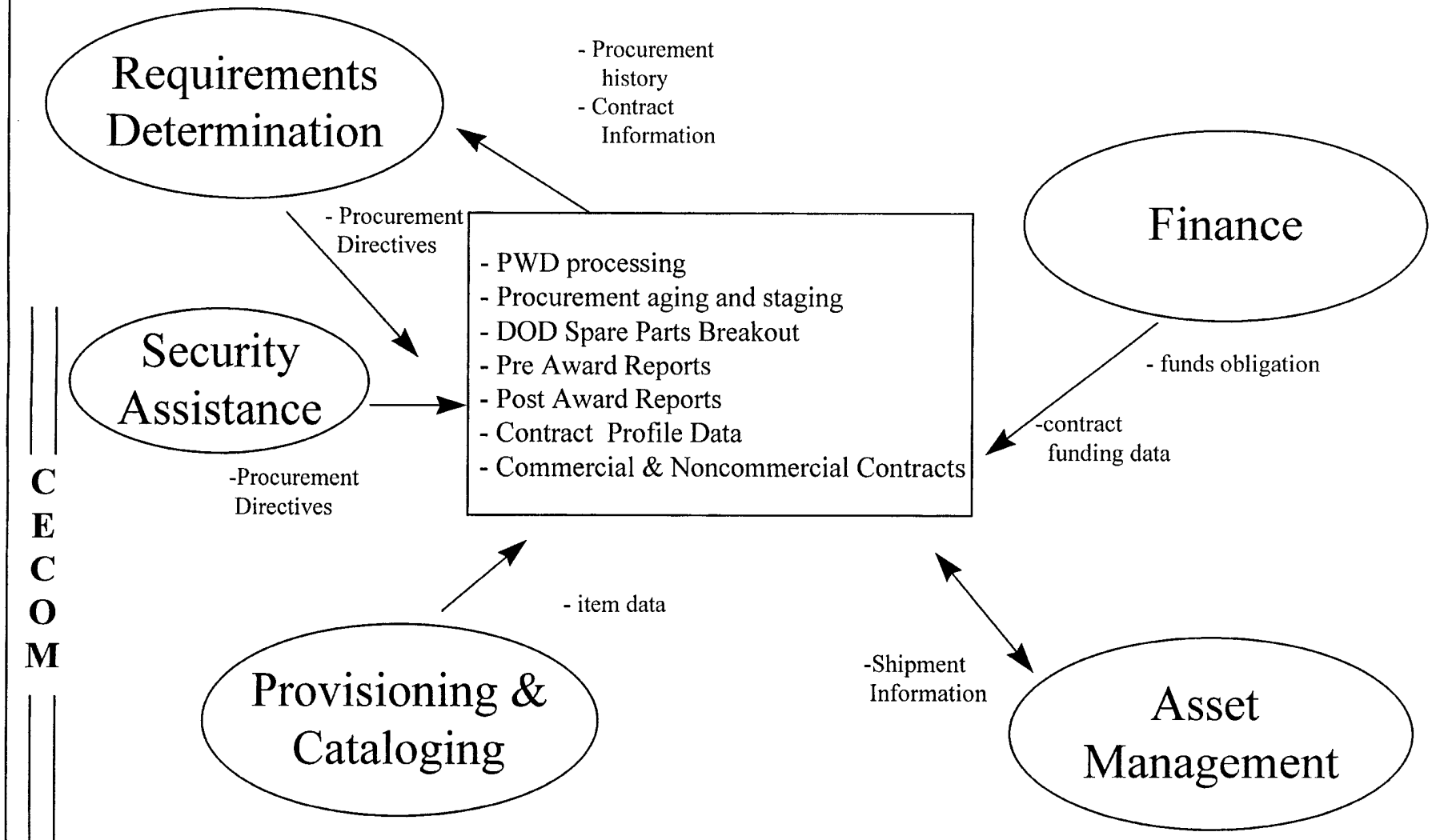
CCSS Functional Structure Provisioning and Cataloging



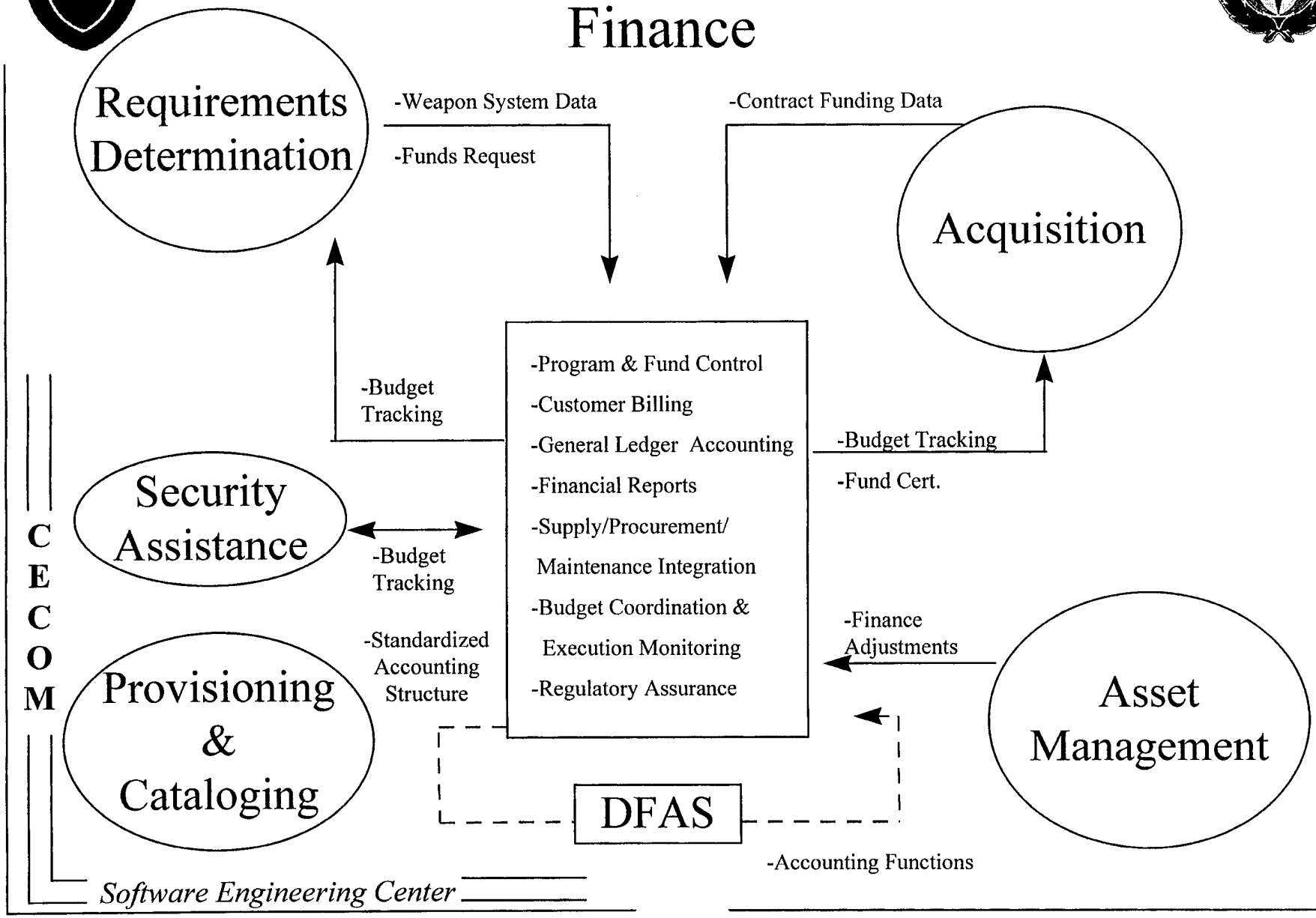
Asset Management



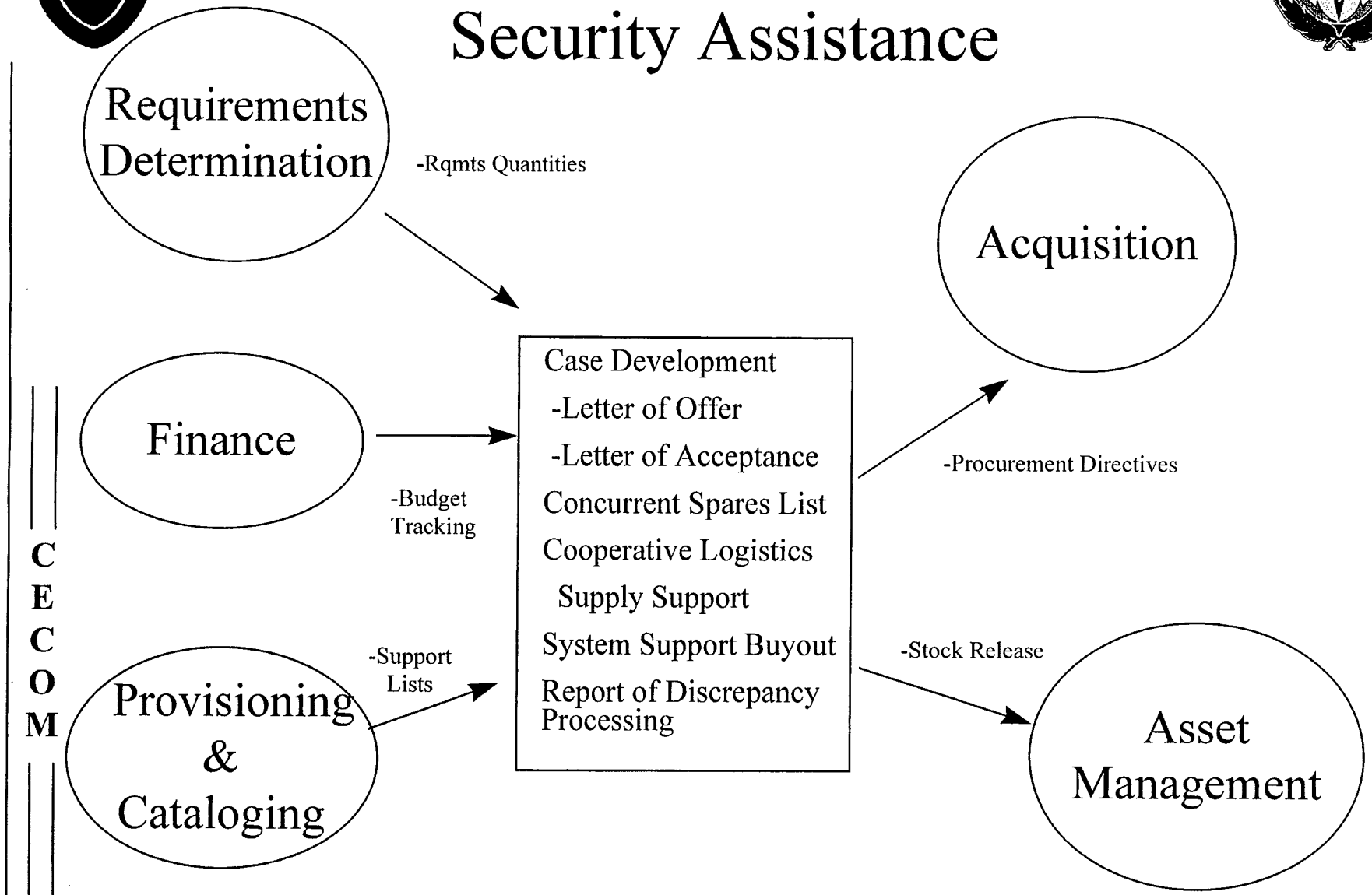
CCSS Functional Structure Acquisition



CCSS Functional Structure
Finance



CCSS Functional Structure
Security Assistance



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NOTES

CENTRAL DESIGN ACTIVITY ORGANIZATION AND TECHNICAL OVERVIEW

Industrial Logistics Systems Center -
Standard Depot System

MR. WILLIAM F. O'MARA

DIRECTOR, U. S. ARMY CECOM INDUSTRIAL LOGISTICS SYSTEMS CENTER

LOGISTICS MODERNIZATION AWARENESS DAY

INDUSTRIAL LOGISTICS SYSTEMS CENTER (ILSC)...
PROVIDING INFORMATION DOMINANCE FOR AMERICA'S WARFIGHTER

CECOM

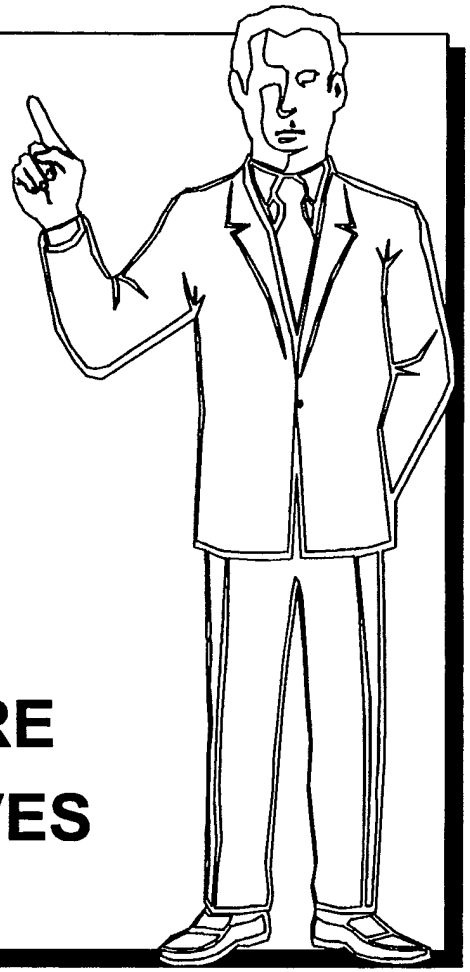
UNCLASSIFIED

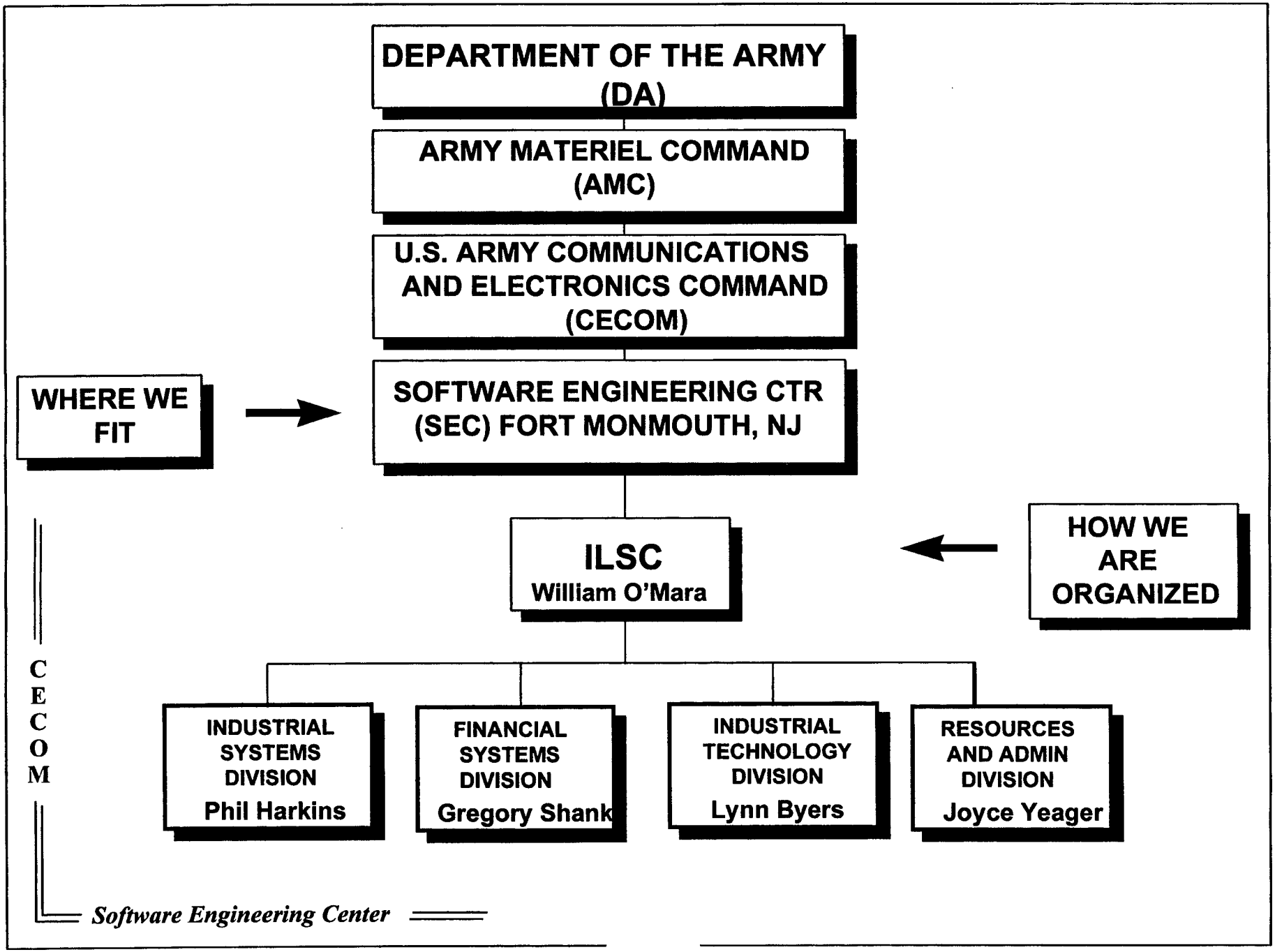
Software Engineering Center

BUD O'MARA, DIRECTOR, CECOM-ILSC
e-mail sel-lo@letterkenn-emh1.army.mil
http://www.ilsc.army.mil

AGENDA

- BACKGROUND
- MISSION
- CUSTOMER BASE
- SDS BUSINESS AREAS
  - EXTERNAL INTERFACES
  - INTERNAL INTERFACES
- SDS TECHNICAL ARCHITECTURE
- SDS MODERNIZATION INITIATIVES




DEPARTMENT OF THE ARMY (DA)
ARMY MATERIEL COMMAND (AMC)
U.S. ARMY COMMUNICATIONS AND ELECTRONICS COMMAND (CECOM)
SOFTWARE ENGINEERING CTR (SEC) FORT MONMOUTH, NJ
WHERE WE FIT
ILSC
William O'Mara
HOW WE ARE ORGANIZED
INDUSTRIAL SYSTEMS DIVISION
Phil Harkins
FINANCIAL SYSTEMS DIVISION
Gregory Shank
INDUSTRIAL TECHNOLOGY DIVISION
Lynn Byers
RESOURCES AND ADMIN DIVISION
Joyce Yeager
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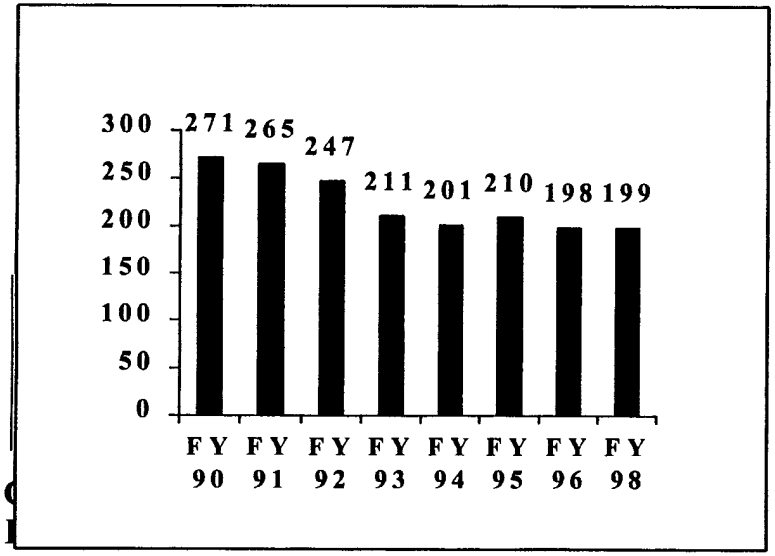
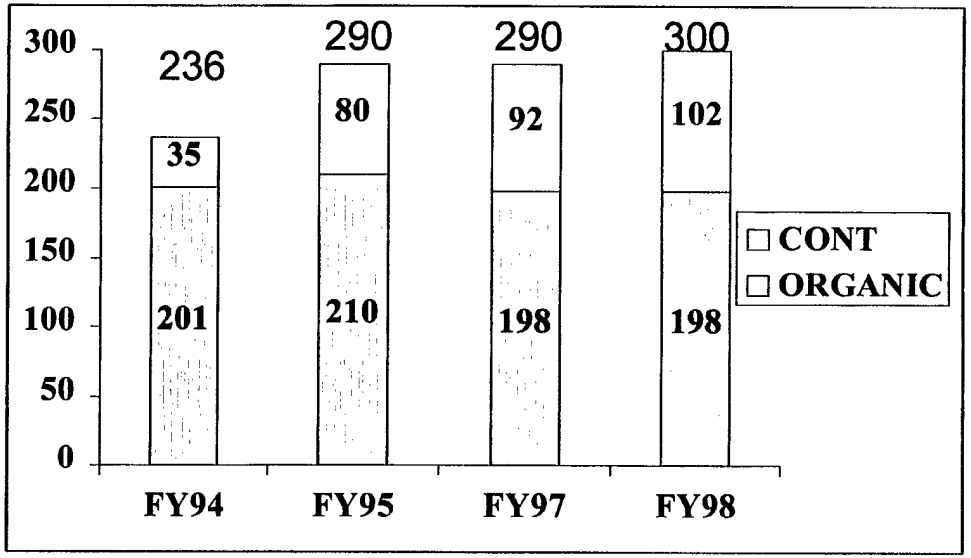
Software Engineering Center

BACKGROUND ORGANIZATION METRICS

WORKFORCE



CONTRACTOR AUGMENTATION



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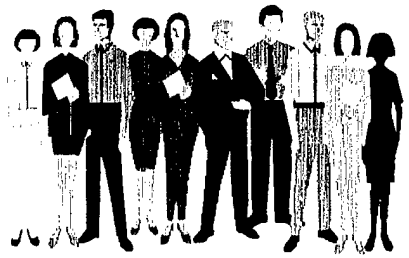
BACKGROUND

FY98

CIVILIAN	MILITARY
199	0



15 DIFFERENT SKILL TYPES

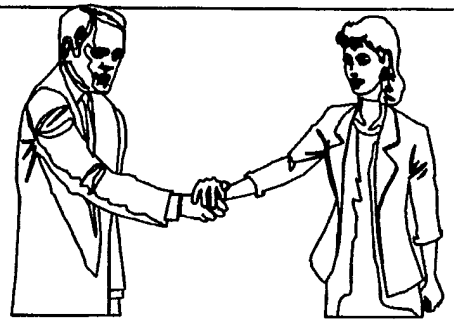
EDUCATED AND SKILLED WORKFORCE

•AVERAGE YRS SVC	20.8
•AVERAGE YRS ILSC	11.7
•EDUCATION LEVEL	
ASSOC DEGREE	8
BACHELOR DEGREE	69
MASTER DEGREE	14
•AVERAGE GRADE	11.5

A/O 9/30/97

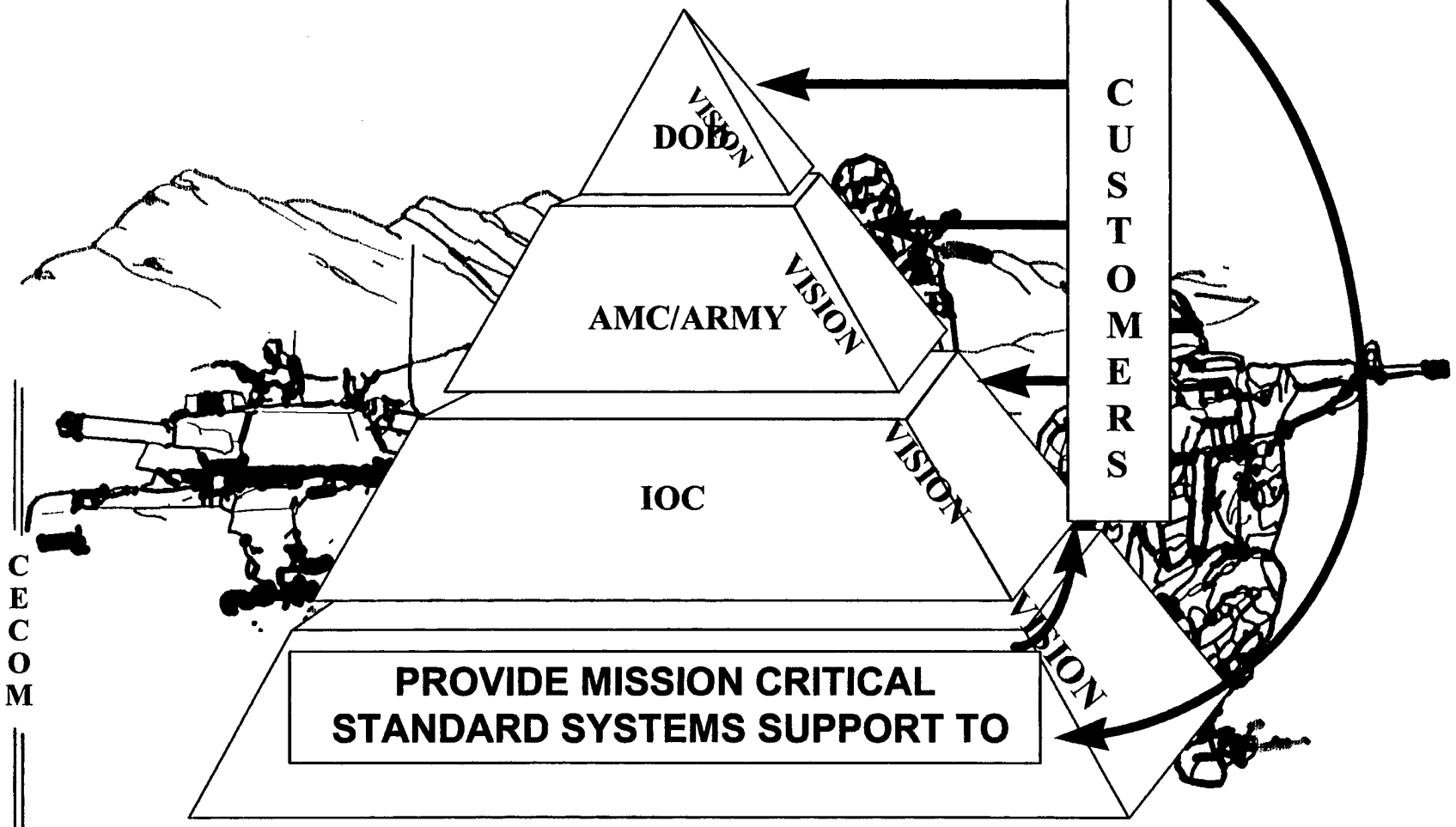
BACKGROUND

INFORMATION SERVICE BUSINESS AREA



A FEE-FOR-SERVICE ORGANIZATION

ILSC MISSION ....



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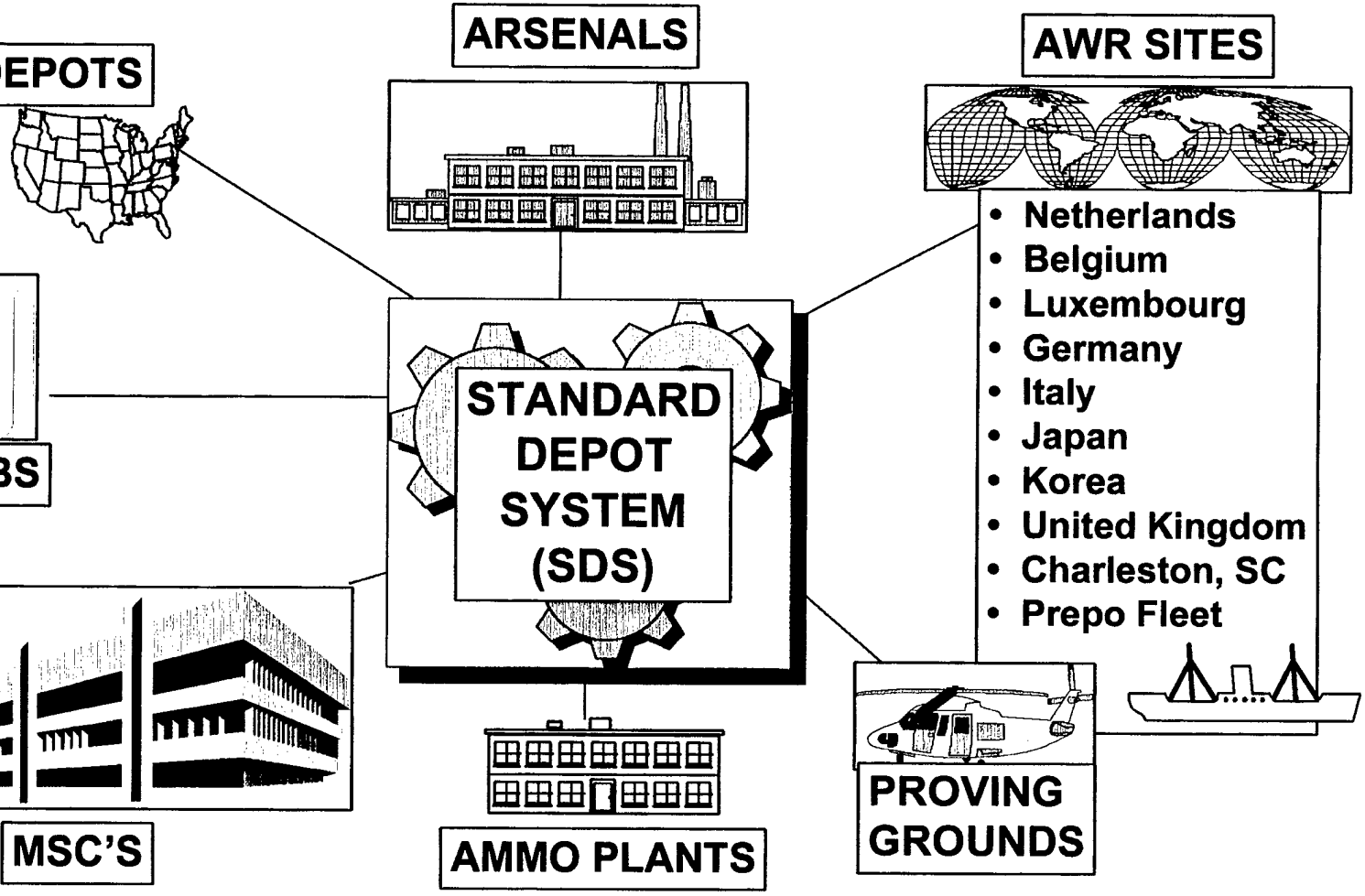
AMC CUSTOMER BASE



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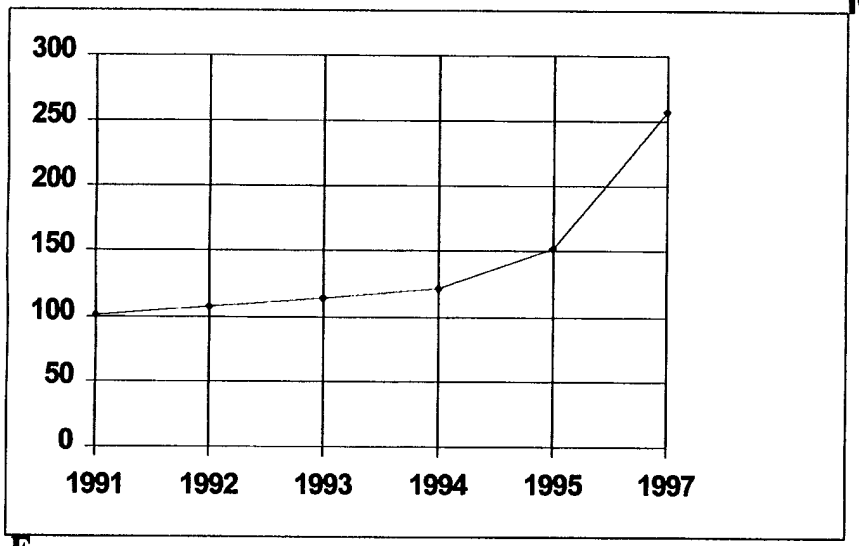
FY98 MAJOR CUSTOMERS

CUSTOMER	SYSTEMS APPLICATIONS
AMC	AMC MANPOWER MGT INFO SYS (AMCISS)
IOC	AMMUNITION MGT SYS DEPOT MAINTENANCE AMC INSTALLATION SUPPLY SYS (AMCISS)
AWRCOM	AMCISS, MAILS, SUPPLY SYSTEMS
I&SA	AMC INSTALLATION SUPPLY SYS (AMCISS) SELF SERVICE SUPPLY STORE CENTER
OSD	PROPERTY ACCOUNTABILITY (DPAS)
DFAS	STD INDUSTRIAL FUND SYS (SIFS) AUTO TIME & ATTENDANCE PROD SYS (ATAAPS)

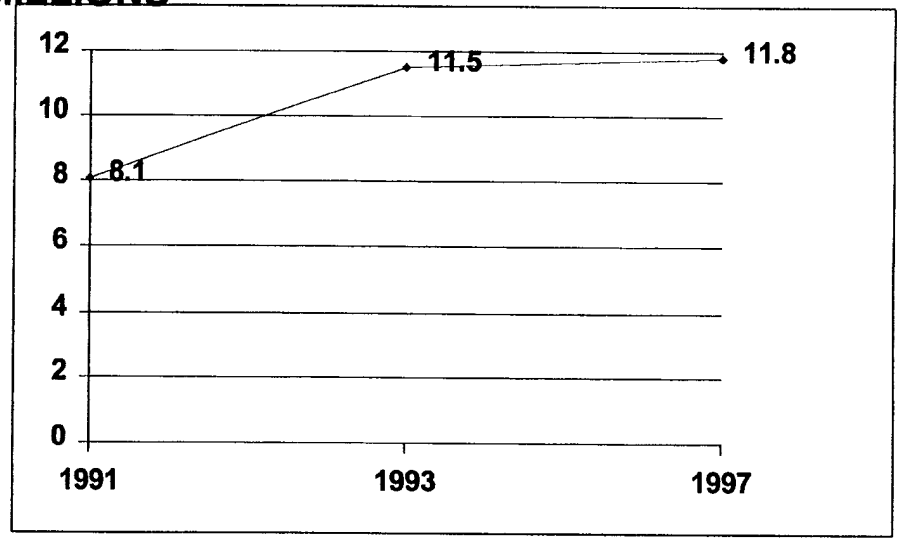
GROWTH METRIC

USERS



CODE INVENTORY

MILLIONS



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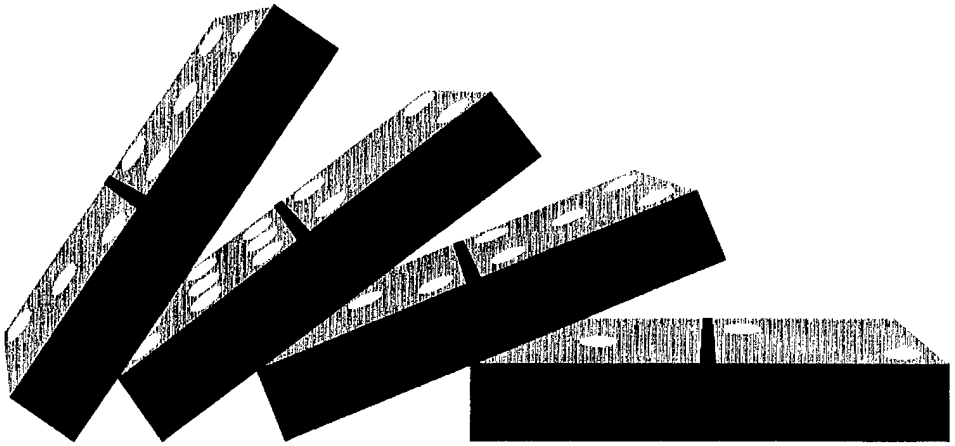
SDS EXTERNAL INTERFACES



40 EXTERNAL INTERFACES

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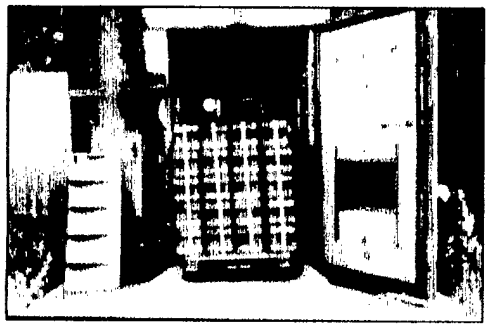
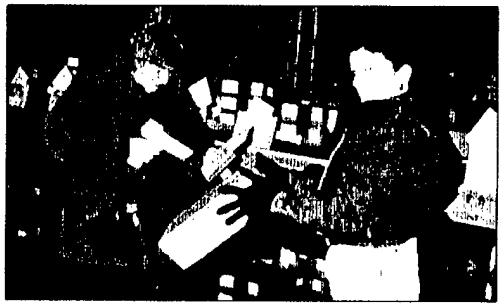
SDS
SUPPORTING BUSINESS AREAS

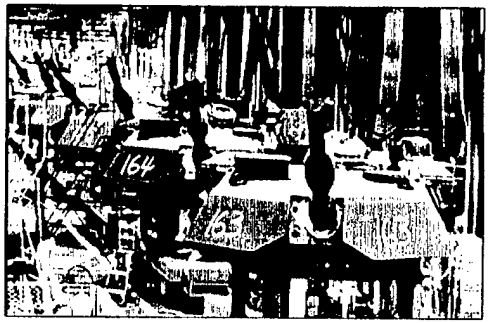
AMMUNITION MANAGEMENT



PROPERTY ACCOUNTABILITY INSTALLATION MANAGEMENT



DEPOT MAINTENANCE



STRATEGIC STOCKS/ WAR RESERVES

FINANCIAL & MPWR MANAGEMENT

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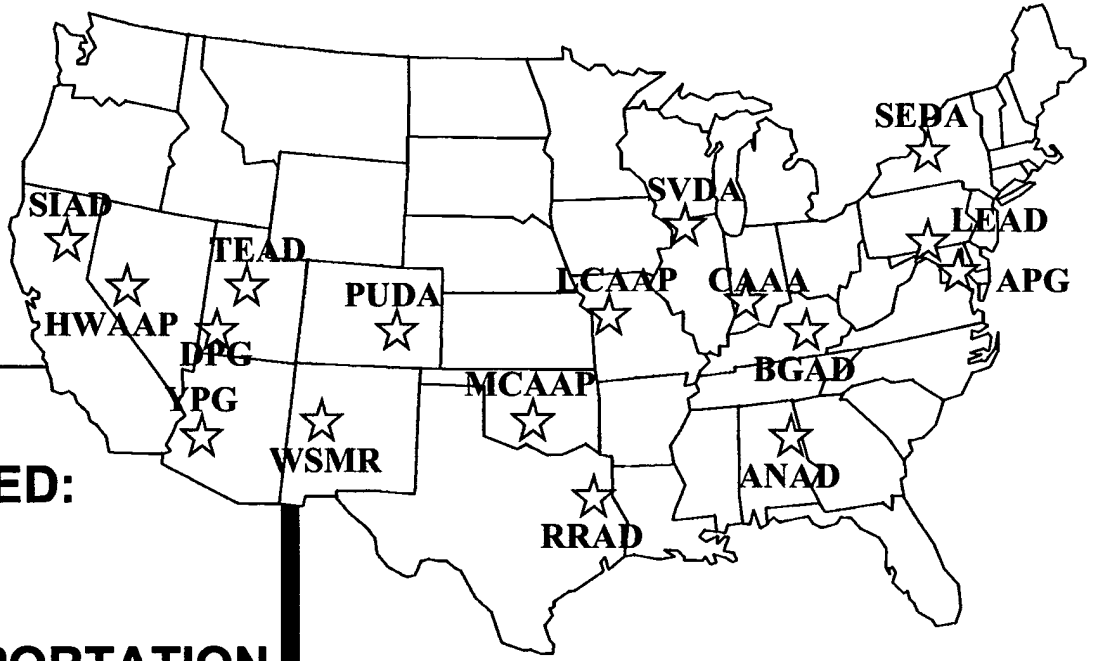
Softwa

AMMUNITION MANAGEMENT

AMMUNITION MANAGEMENT



FUNCTIONS SUPPORTED:

- RECEIVING
- SHIPPING/TRANSPORTATION
- INVENTORY/ADJUSTMENTS
- CATALOGING
- LOCATIONS
- SURVEILLANCE
- ASSET REPORTING

OVERSEAS CUSTOMERS:

☆ MIESAU, GER.

☆ CEB-SO, ITALY

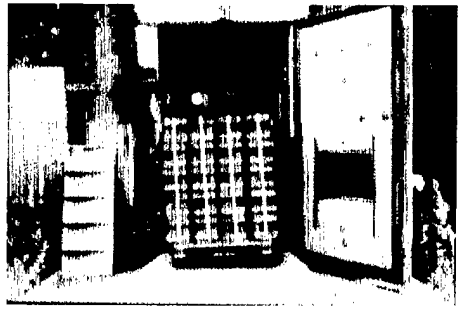
AMMUNITION MANAGEMENT INTERFACES

ARMY MASTER DATA FILE

COMMODITY COMMAND STANDARD SYSTEM

WORLDWIDE AMMUNITION REPORTING SYSTEM

COMBAT AMMUNITION SYSTEM (USAF)



CONVENTIONAL AMMO INVENTORY MGMT SYSTEM (CAIMS)

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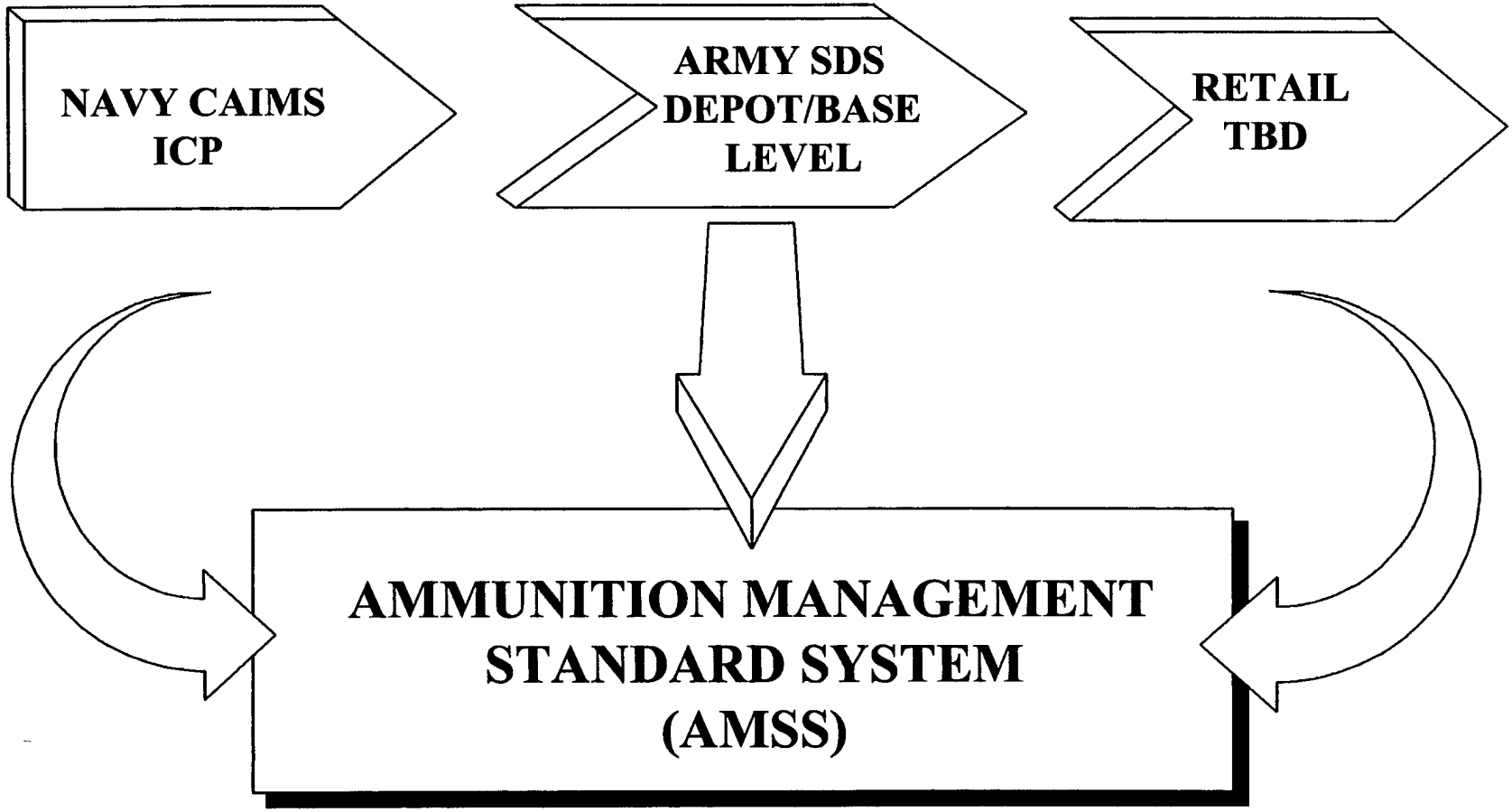
ARMY MATERIEL COMMAND INSTALLATION SUPPLY SYSTEM

STANDARD INDUSTRIAL FUND SYSTEM

JLSC CIM AMMUNITION SYSTEM



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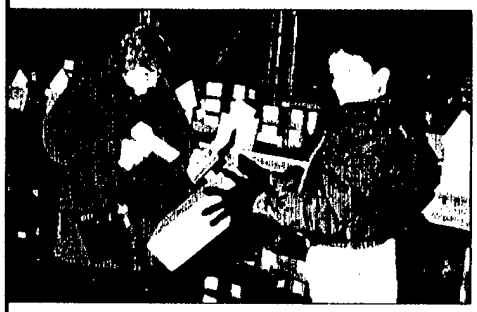
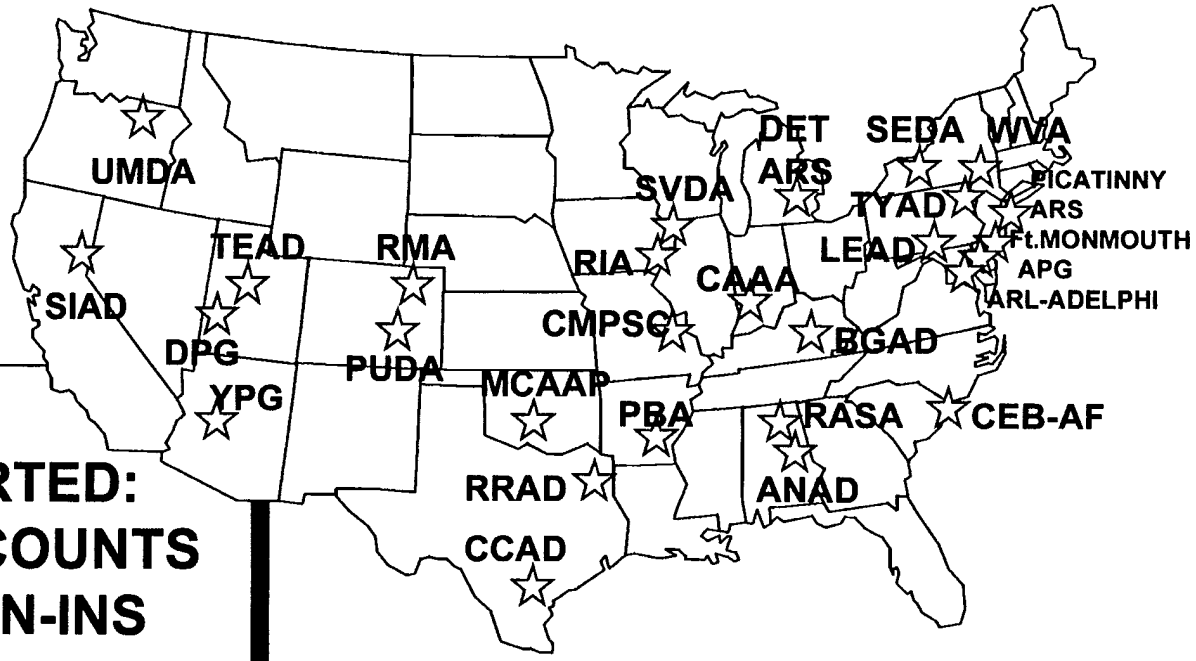
AMC INSTALLATION SUPPLY SYSTEM (AMCISS)

INSTALLATION MANAGEMENT





FUNCTIONS SUPPORTED:
STOCK RECORD ACCOUNTS

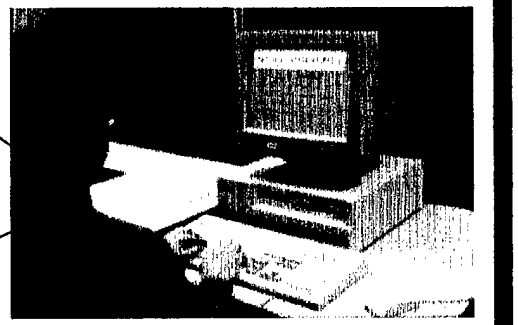
- RECEIVING, TURN-INS
- LOCATIONS
- INVENTORY
- ADJUSTMENTS
- ISSUE/SHIPPING
- CYCLIC INSPECTION

OVERSEAS SITES

☆ HYTHE, ENG

☆ EYGELSHOVEN, NL

AMCISS INTERFACES



CCSS
AMDF
TAV
CBS-X
LIF
ULLS-G
SAACONS
SOMARDS
SIMS-X
IFS-M
AFMIS
DSS
TAMMIS
SIFS
MRP
RASFIARS
MAILS
AFES
AMMO
STORAGE MANAGEMENT
ASSSC
DPAS

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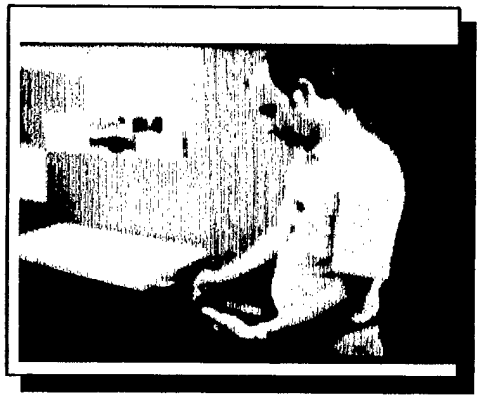
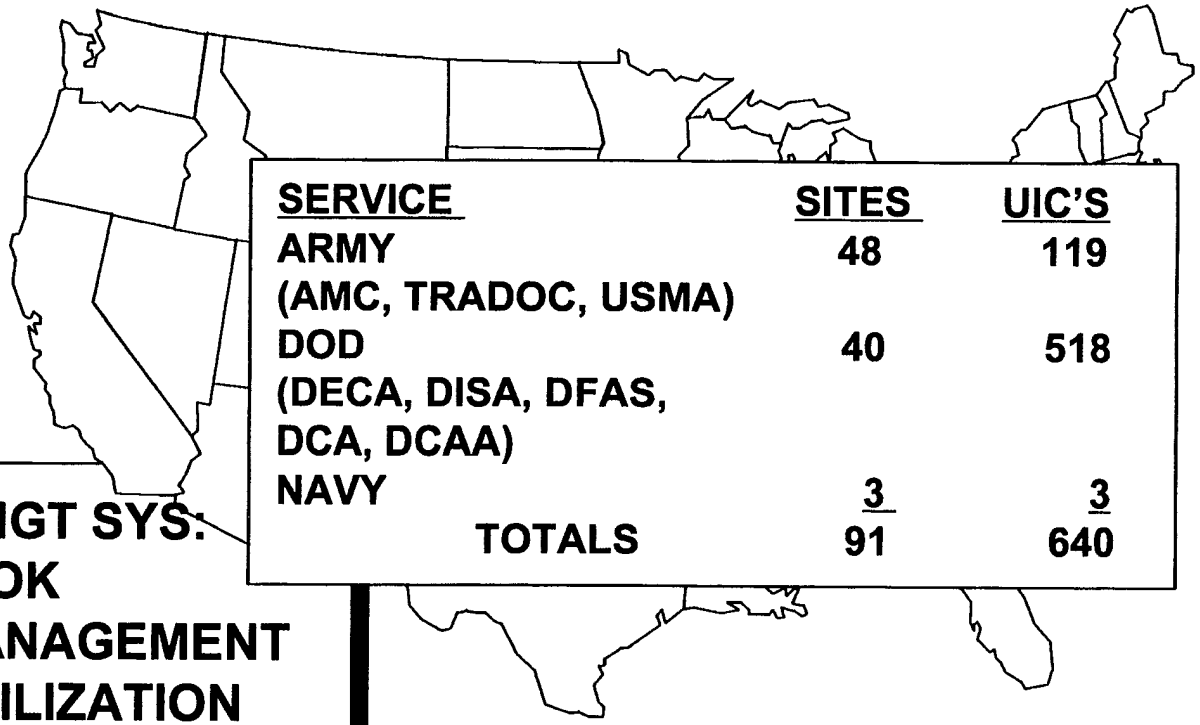
DOD PROPERTY ACCOUNTABILITY SYSTEM (DPAS)





SERVICE	SITES	UIC'S
ARMY (AMC, TRADOC, USMA)	48	119
DOD (DECA, DISA, DFAS, DCA, DCAA)	40	518
NAVY	3	3
TOTALS	91	640

COMPLETE ASSET MGT SYS:

- PROPERTY BOOK
- INVENTORY MANAGEMENT
- EQUIPMENT UTILIZATION
- EQUIPMENT MAINTENANCE
- ASSET REDISTRIBUTION
- FINANCIAL REPORTING

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DPAS INTERFACES

TOTAL ASSET VISIBILITY

AUTOMATION RESOURCES MANAGEMENT SYSTEM

ARMY MASTER DATA FILE

DEFENSE BUSINESS MANAGEMENT SYSTEM

STANDARD ARMY RETAIL SUPPLY SYSTEMS

INDUSTRIAL FUND ACCOUNTING SYSTEM

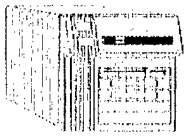
ARMY MATERIEL COMMAND INSTALLATION SUPPLY SYSTEM

STANDARD INDUSTRIAL FUND SYSTEM

DPAS
STANDARD MID-TIER ARCHITECTURE

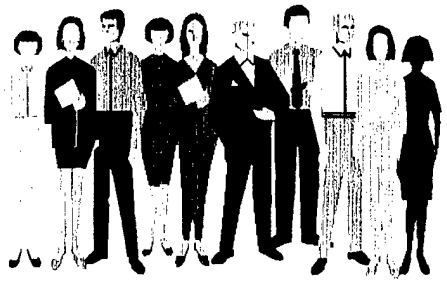
COLUMBUS, OHIIO

TEST BED



HP 9000
SUPRA RELATIONAL DB

ILSC

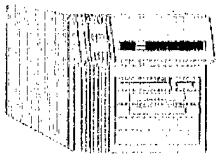


•SYSTEM LIFE CYCLE SUPPORT

ILSC CONTROLLED

DAYTON, OHIO

PRODUCTION



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NIPRNET

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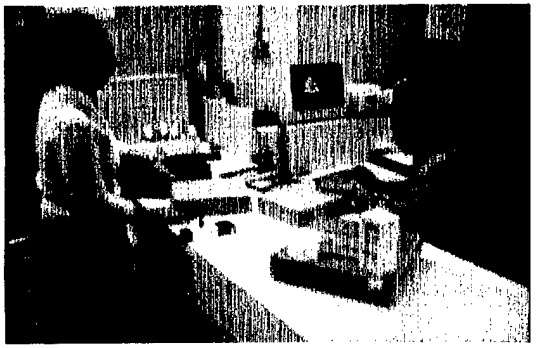
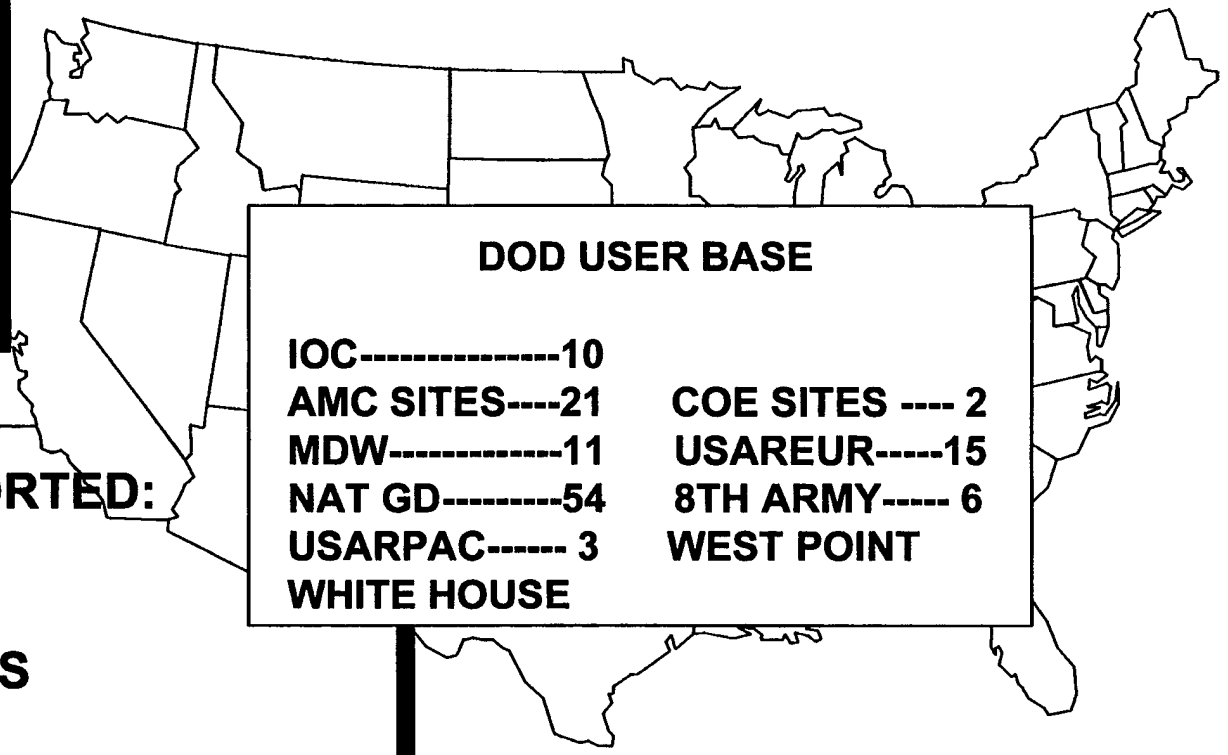
SELF SERVICE SUPPLY STORE





DOD USER BASE

IOC----------10	
AMC SITES----21	COE SITES ---- 2
MDW----------11	USAREUR-----15
NAT GD---------54	8TH ARMY----- 6
USARPAC------ 3	WEST POINT
WHITE HOUSE	

FUNCTIONS SUPPORTED:

- SALES
- CREDIT CHECKS
- RECEIPTS
- STOCKAGE COMPUTATION
- REPLENISHMENT
- SUMMARY REPORTS

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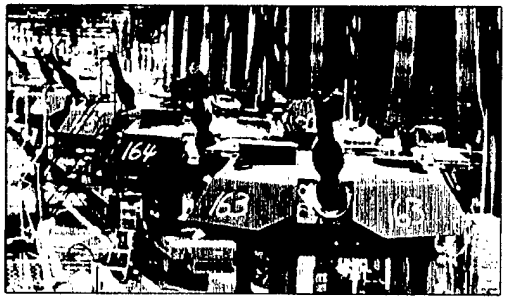
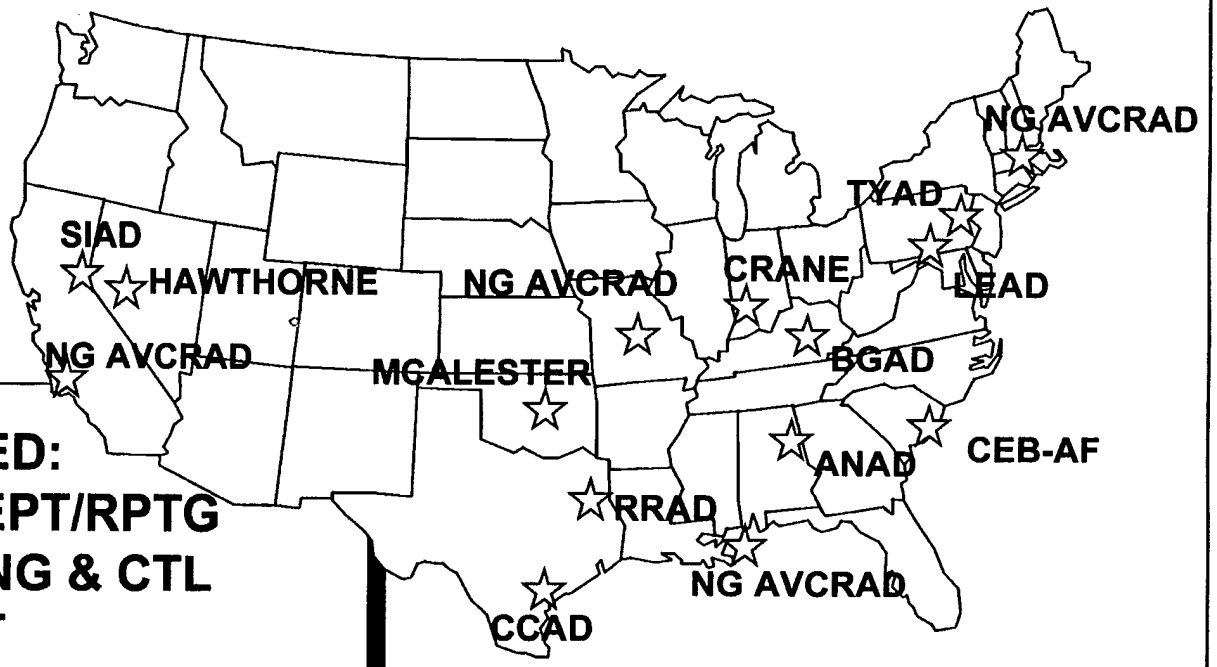
DEPOT MAINTENANCE



DEPOT MAINTENANCE



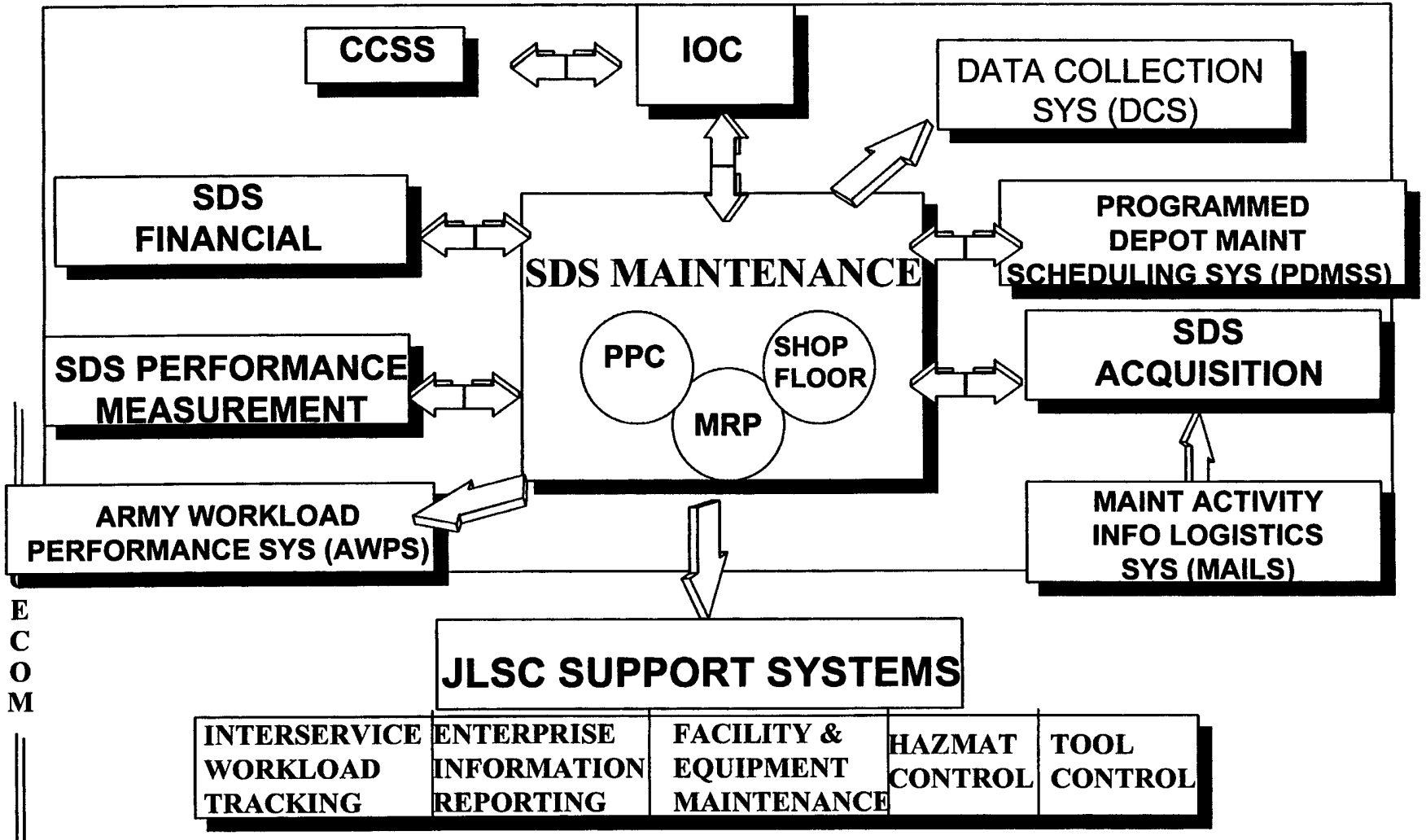
FUNCTIONS SUPPORTED:

- WORKLOAD ACCEPT/RPTG
- PRODUCTION, PLNG & CTL
- SHOP FLOOR MGT
- MAINT RESOURCES PLNG (MRP)
- AVIATION ROUNDOUT MAINT MGT INFO SYS (ARMMIS)
- MAINT ACTIVITY INFO LOGISTICS SYS (MAILS)

OVERSEAS CUSTOMERS:

- ☆ HYTHE, ENG.
- ☆ CEB-SO, ITALY
- ☆ CEG-E, BENELUX

DEPOT MAINTENANCE MANAGEMENT SYSTEM
SYSTEM END STATE



ECOM

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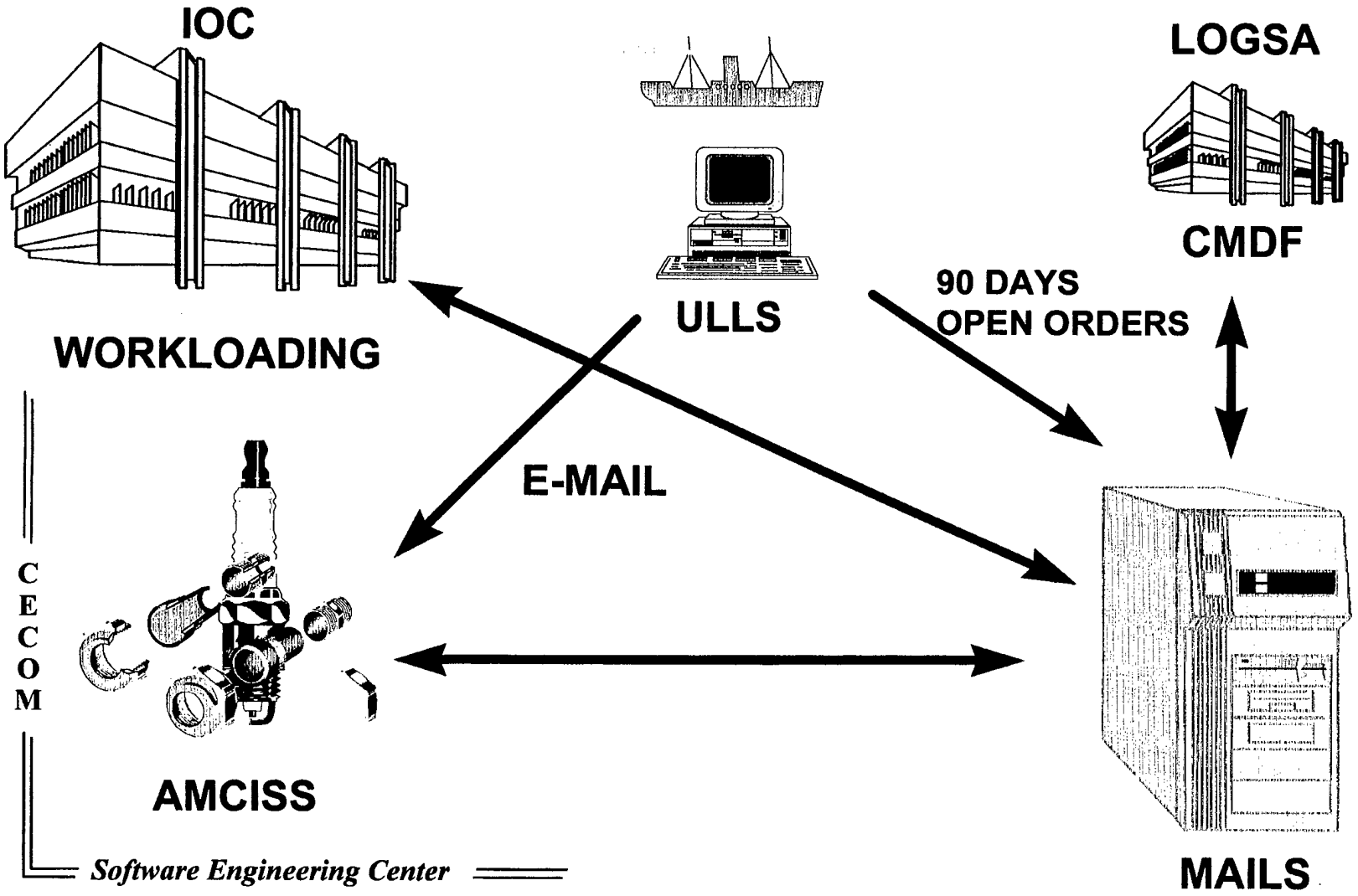
MAILS EXTERNAL INTERFACES



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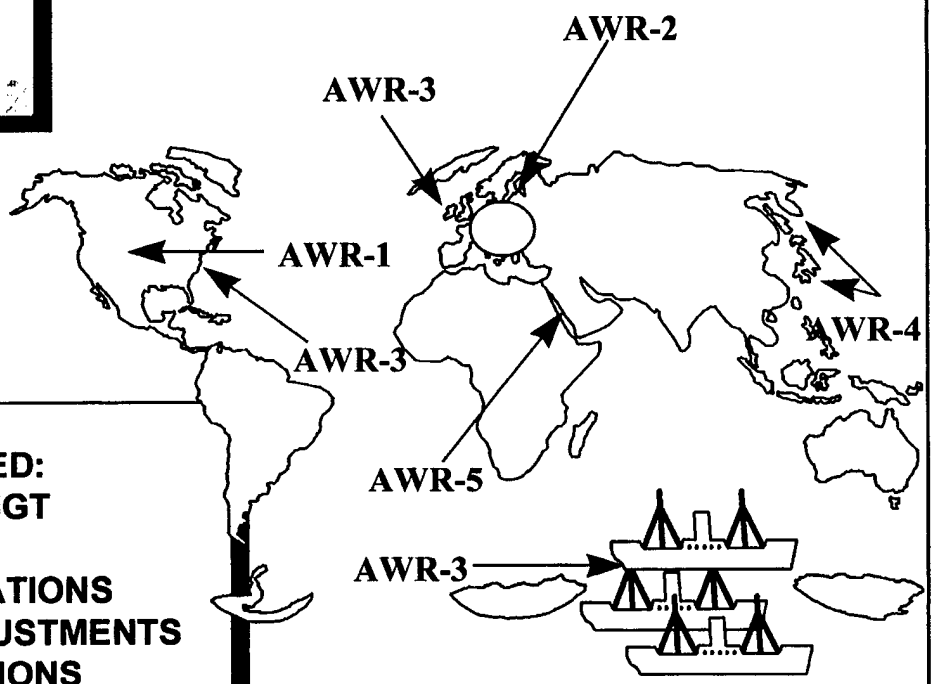
STRATEGIC STOCK/ WAR RESERVES

STRATEGIC STOCK/ WAR RESERVES



ARMY WR REGIONS

AR1 - CONUS ARMY SUPPLY DEPOTS
AR2 - EUROPE
- •LUXEMBOURG
- •NETHERLANDS
- •BELGIUM
- •HYTHE, ENGLAND
- •LIVORNO, ITALY
- •MIESAU, GERMANY
- •KAISERSLAUTERN, GERMANY

AR3 - PREPO SHIPS
- •CHARLESTON, SC
- •14 SHIPS
- •DIEGO GARCIA
- •GUAM

AR4 - KOREA/PACIFIC
- •CAMP CARROLL, KOREA
- •SAGAMI, JAPAN

AR5 - QATAR/KUWAIT

FUNCTIONS SUPPORTED:
- •MAINTENANCE MGT
- •CATALOGING
- •RECEIVING/LOCATIONS
- •INVENTORY/ADJUSTMENTS
- •CYCLIC INSPECTIONS
- •TURN-IN SCREENING
- •ISSUE/SHIPPING
- •PROPERTY ACCOUNTABILITY

ILSC ... SUPPORTING CRITICAL ARMY MISSIONS!

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STANDARD SYSTEMS SUPPORTING ARMY WAR RESERVES

WHOLESALE ASSET ACCOUNTABILITY/DISTRIBUTION

SDS

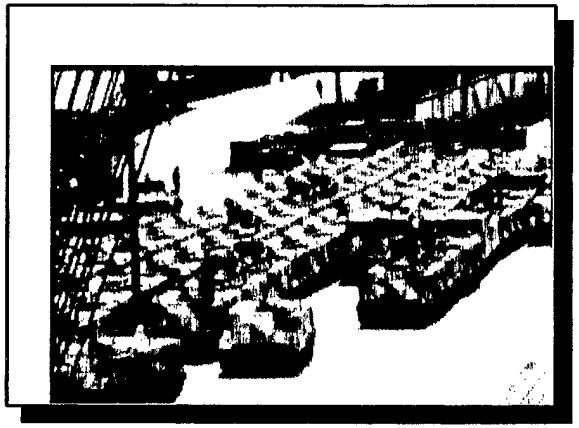
CEG-E
CEG-A
PREPO FLEET (14)
AWR-5 (+)

MAINTENANCE MGT

MAILS

2 SITES (+)

AWR WORLD-WIDE MISSION



RETAIL SUPPLY/FINANCIAL ACCOUNTABILITY/MGT

AMCISS

3 SITES

INSTALLATION PROPERTY ACCOUNTABILITY

DPAS

9 SITES

+ = FUTURE GROWTH

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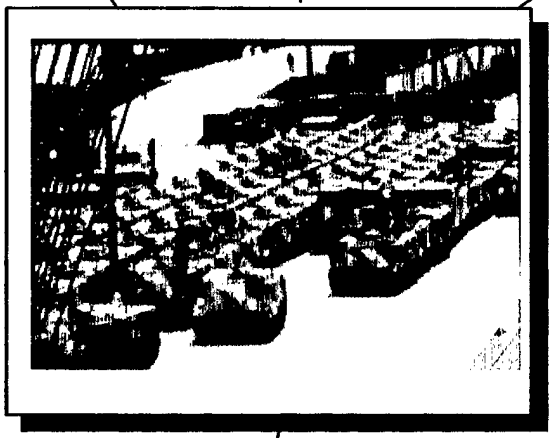
STRATEGIC STOCKS/WAR RESERVES INTERFACES

COMMODITY COMMAND STANDARD SYSTEM

STANDARD ARMY RETAIL SUPPLY SYSTEM-OBJECTIVE

TOTAL ASSET VISIBILITY

STANDARD ARMY INTERMEDIATE LEVEL SUPPLY SYSTEM



AWR DEPLOYMENT SYSTEM

ARMY MATERIEL COMMAND INSTALLATION SUPPLY SYSTEM

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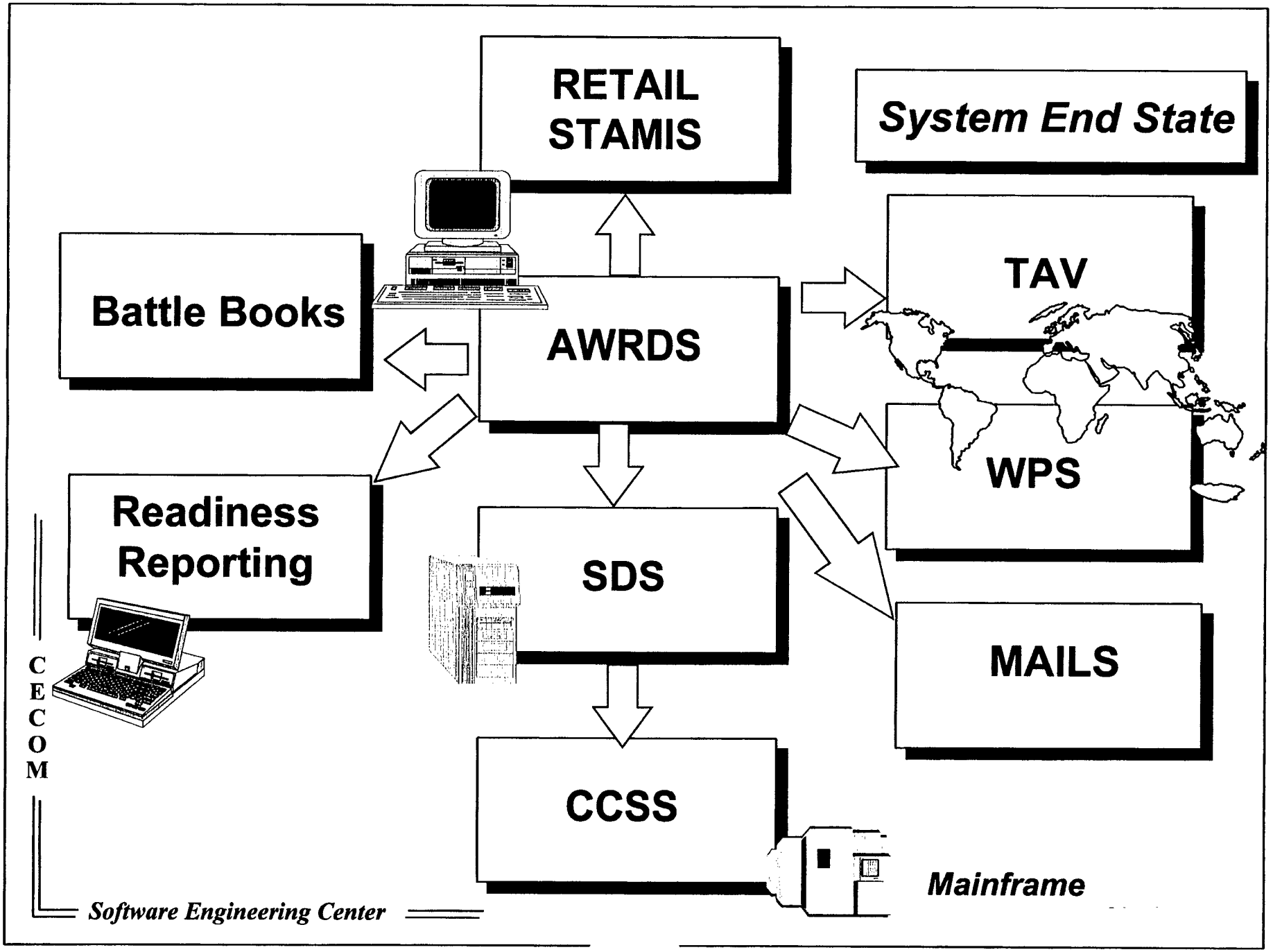
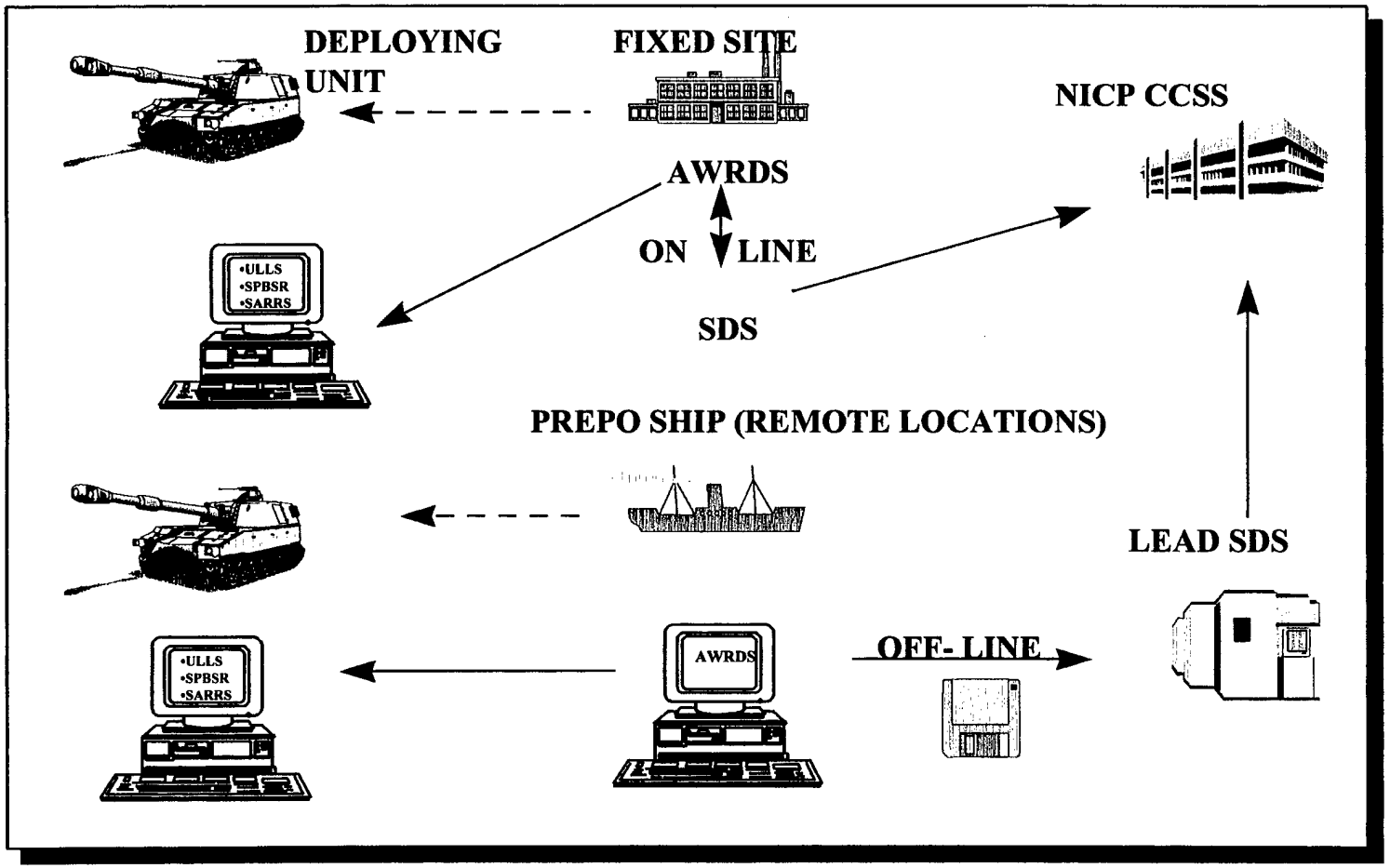
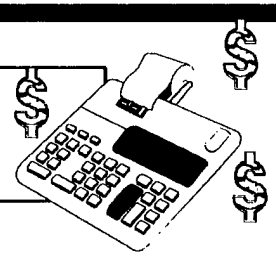

RETAIL STAMIS
System End State
Battle Books
AWRDS
TAV
WPS
Readiness Reporting
SDS
MAILS
CCSS
Mainframe
CECOM
Software Engineering Center

SDS & AWRDS DEPLOYMENT SUPPORT



RESOURCE SYSTEMS

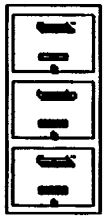
SIFS



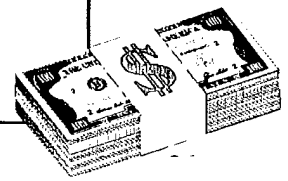
ATAAPS

AAMMIS

~~RASBARS~~



~~AFTS~~



X = ELIMINATION OF SYSTEMS

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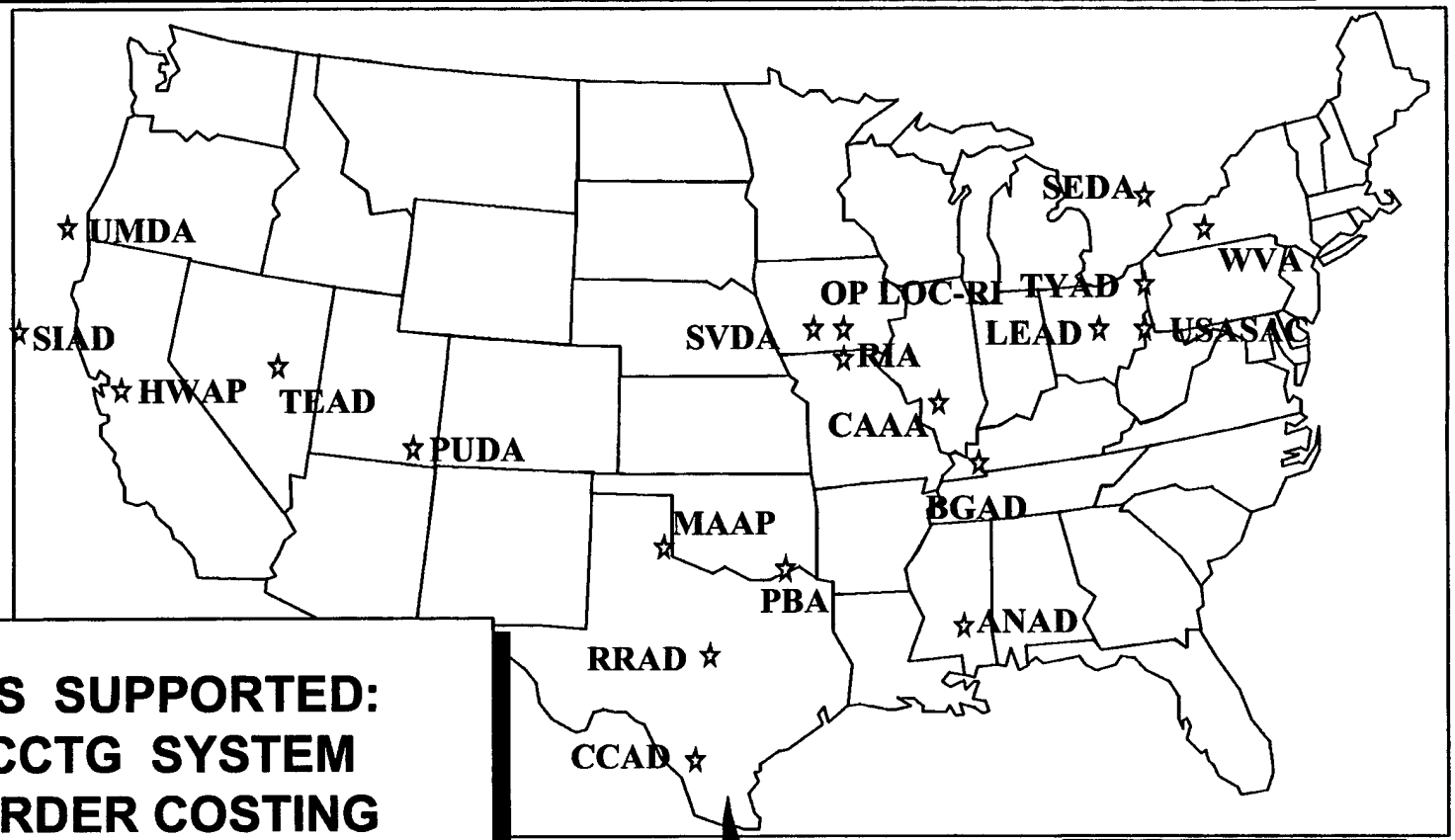
STANDARD INDUSTRIAL FUND SYSTEM (SIFS)



FUNCTIONS SUPPORTED:
DBOF ACCTG SYSTEM

- **JOB ORDER COSTING**
- **GENERAL FUND ACCTG**
- **FIN INVENTORY ACCTG**
- **METHODS & STANDARDS**
- **OPERATING BUDGET**

19 CURRENT SITES

SIFS INTERFACES

SRD-1
TRAVEL, DISBURSING, COMMERCIAL ACCTS

SAACONS
LOCAL PROCUREMENT

IFS-M
FACILITIES MANAGEMENT

DCPS
CIVILIAN PAYROLL

STARCIPS
CIVILIAN PAYROLL

MRP
MAINTENANCE PRODUCTION MANAGEMENT

ATAAPS
LABOR, PRODUCTION, TIME & ATTENDANCE

MAINTENANCE PPC
MAINTENANCE PRODUCTION MANAGEMENT

AFES
TRAVEL, DISBURSING, COMMERCIAL ACCTS

AMCISS
INSTALLATION SUPPLY

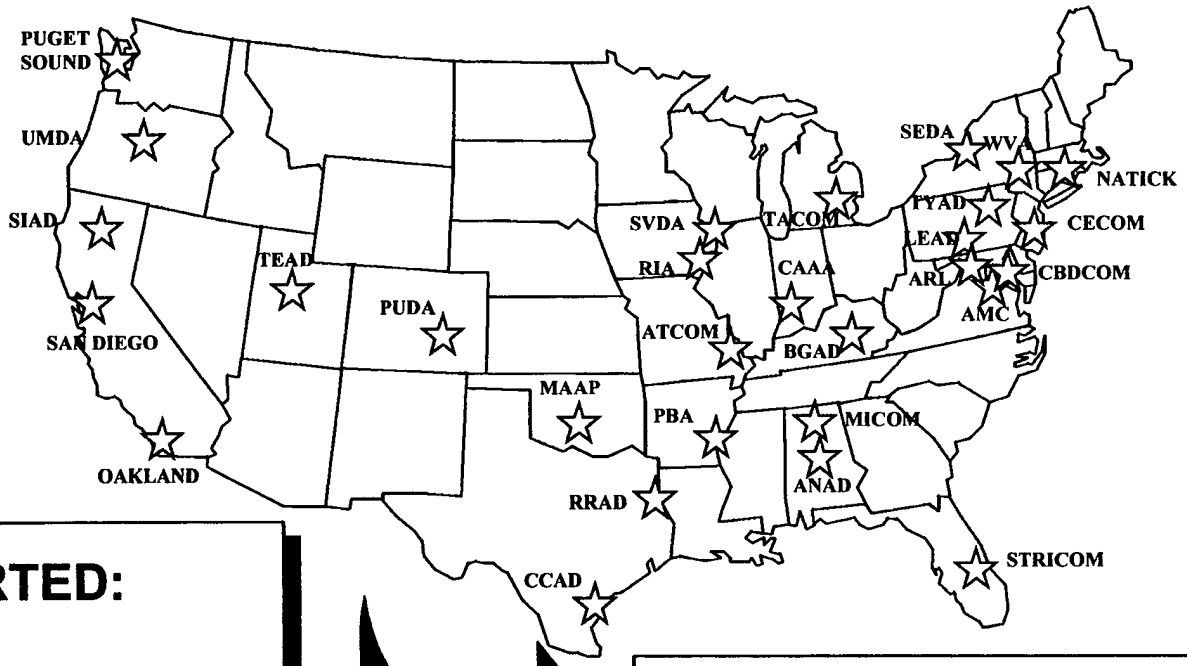
SDS
TRANSPORTATION

ASSSC
SELF SERVICE SUPPLY

Softwa r

AUTOMATED TIME AND ATTENDANCE PRODUCTION SYSTEM (ATAAPS)

FINANCIAL & MPWR MANAGEMENT



FUNCTIONS SUPPORTED:

- TIME & ATTENDANCE
- LABOR & PRODUCTION
- INTERFACE WITH DEFENSE CIVILIAN PAY SYSTEM

- 109,475 PAYROLL ACCOUNTS
- 86 CURRENT SITES

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SINGLE SOURCE INPUT METHODOLOGY

ENSURES ACCURATE DATA PASSED FIRST TIME, EVERY TIME

EMPLOYEE

ATAAPS

DATA COLLECTOR

TIMEKEEPER

PROVIDES VALIDATED/EDITED LABOR & PRODUCTION DATA

STANDARD PAYROLL T&A

COST ACCOUNTING L&P

PRODUCTIVITY METHODS & STANDARDS

MAINTENANCE RESOURCE PLANNING

FACILITIES ENGINEER

ELIMINATES RECONCILIATION OF SYSTEMS AND MAKES MORE EFFICIENT USE OF RESOURCES

ATAAPS INTERFACES

SOMARDS
OMA ACCOUNTING

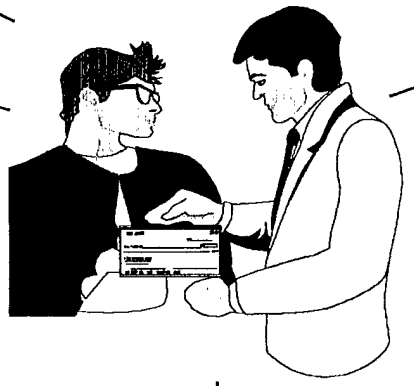
TAPS (ATCOM)
MANAGEMENT INFORMATION

IFS-M
FACILITIES MANAGEMENT

DCPS
CIVILIAN PAYROLL

DSFS (RIA)
MAINTENANCE PRODUCTION MANAGEMENT

STARCIPS
CIVILIAN PAYROLL



SIFS
DBOF ACCOUNTING AND BUDGET

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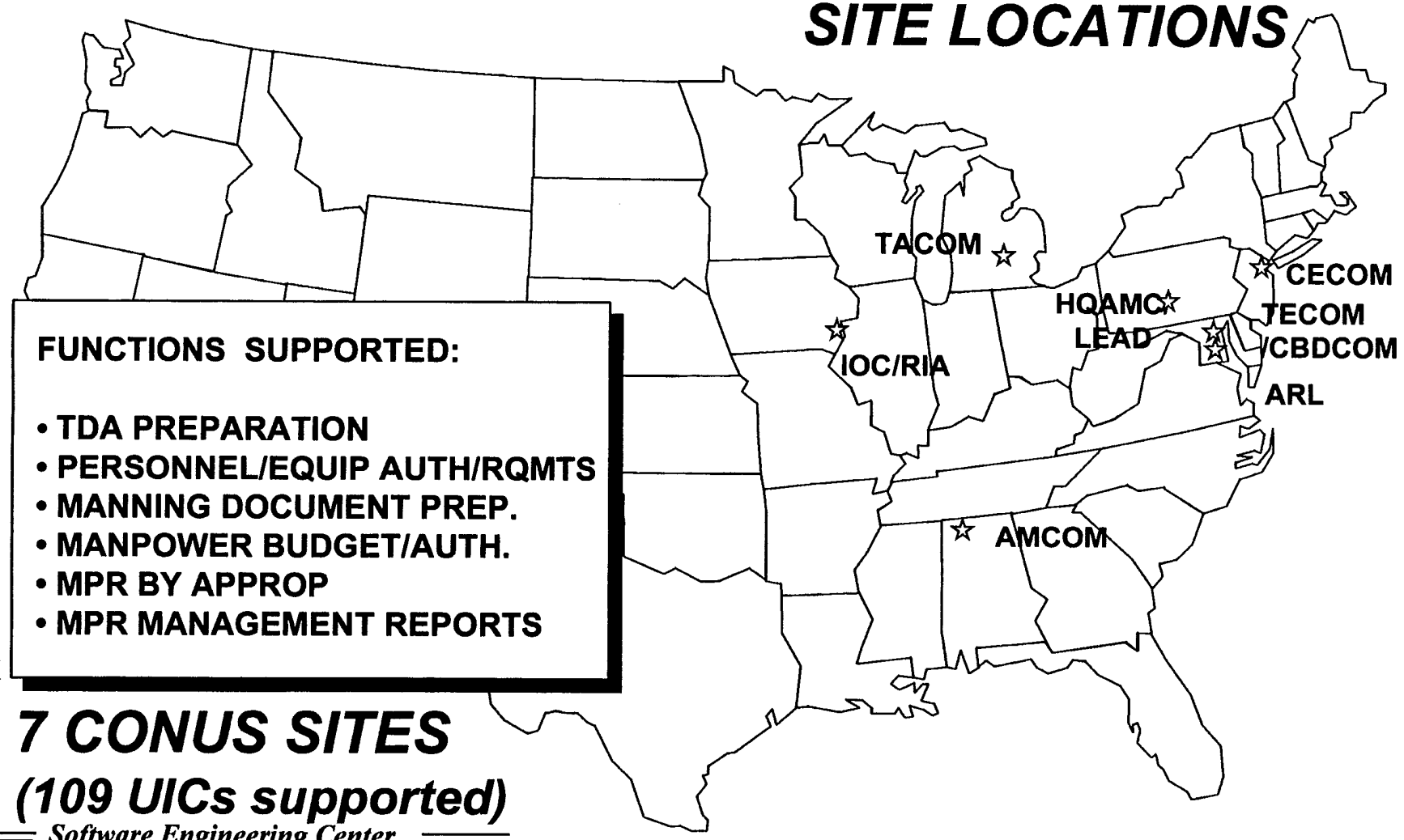
AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION SYSTEM (AAMMIS) CUSTOMER BASE

SITE LOCATIONS



FUNCTIONS SUPPORTED:

- TDA PREPARATION
- PERSONNEL/EQUIP AUTH/RQMTS
- MANNING DOCUMENT PREP.
- MANPOWER BUDGET/AUTH.
- MPR BY APPROP
- MPR MANAGEMENT REPORTS

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7 CONUS SITES

(109 UICs supported)

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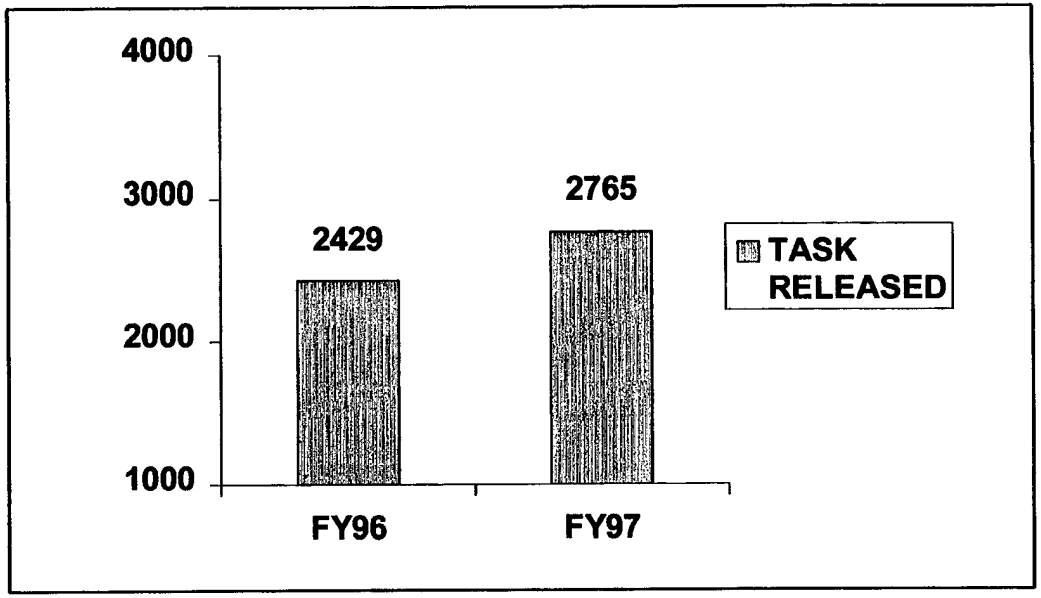
CHANGE MANAGEMENT & DISCIPLINE



- TASK & LINK TEST
- QUALITY REVIEW
- PROTOTYPE
- ELECTRONIC RELEASE
- SOURCE CODE CONTROLLED

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SDS
TECHNICAL ARCHITECTURE

	OS	LANG	DBMS	PLATFORM	TRANSACTION PROCESSOR
Ammo	MVS XA OS 390	COBOL 74	DMR & DATACOM	TIER I	CICS
AMCISS	"	"	DMR & DATACOM	"	"
DPAS	HP UNIX	MF COBOL	SUPRA	TIER II	N/A
Point of Sale	UNIX	RM COBOL	N/A	TIER II	N/A
SDS Maintenance	MVS XA OS 390	COBOL 74	DMR	TIER I	CICS
MAILS	AIX	MF COBOL & C	N/A	TIER II	N/A
ARMMIS	AIX	MF COBOL & C	N/A	"	N/A
War Reserves	MVS XA OS 390	COBOL 74	DMR	TIER I	CICS

SDS
TECHNICAL ARCHITECTURE (CONTD)

	OS	LANG	DBMS	PLATFORM	TRANSACTION PROCESSOR
SIFS	MVS XA & OS 390	COBOL 74	DMR & DATACOM	TIER I	CICS
ATAAPS	"	"	DMR	"	"
AIOB	UNIX & MVS XA	COBOL	DMR	TIER II	CICS
AAMMIS	UNIX	N/A	INFORMIX	TIER II	N/A
GUI ATAAPS	WIN 95 WIN NT UNIX	POWER BUILDER	ORACLE SYBASE	TIER II & TIER III	GUI

SDS MODERNIZATION INITIATIVES

APPLICATIONS	AUTOMATED DATA COLLECTION	GUI/ WINDOWS	RDBMS
DEPOT MAINTENANCE	✓	✓	✓
PROPERTY ACCOUNTABILITY		✓	
AUTOMATED TIME, ATTENDANCE, AND PRODUCTION SYSTEM		✓	✓
AAMMIS (MANPOWER)		✓	

*NOTE: SDS WILL BE COMPLIANT W/Y2K, 1 OCT 98

CECOM

- ✯Application Documentation
- ✯PC Training
- ✯Mission/Customer Descriptions
- ✯Phone Directory-

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STANDARD DEPOT SYSTEM ACRONYMNS

SDS Acronymn	NOTES
AAMMIS	AMC Automated Manpower Management Information System
DCPDS (ACPERS)	Army Civilian Personnel System
AFMIS	Army Food Management Information System
AIRS	AMDF Interrogation & Retrieval System
AMCISS	Army Materiel Command Installation Supply System
AMDF (ACLDB)	Army Master Data File
AMSS	Ammunition Management Standard System
ARMMIS	Aviation Roundout Maintenance Management Information System
ASRS	Auto Storage & Retrieval System
AWPS	Army Workload Performance System
AWRDS	Army War Reserve Deployment System
CAIMS	Conventional Ammunition Information System
CBS-X	Continuing Balance System
CCSS	Commodity Command Standard System
CDDB	Central Demand Data Base
CEFMS (Future)	COE Financial Management System (in process)
DBMS	Defense Business Management System
DCPS	Defense Civilian Personnel System
DCS	Data Collection System
DELMARS	Data Element Management/Accounting Reporting System
DODSASP/UIT	DoD Small Arms Registry
DPAS	Defense Property Accountability System
DSACS/WARS	Defense Standard Ammunition Computer System
DSS	DLA Supply System
IFAS	DFAS Financial System
IFS-M	Installation Facility System
IMACS	Interservice Maintenance Accounting Computer System
IOC HAS	Workloading
LIF	Logistics Intelligence File
MAILS	Maintenance Activity Information Logistics Systems

MRDB	Materiel Returns Data Base
MSC	Major Subordinate Command
PBA MRP	Pine Bluff Arsenal Maintenance Resource Planning System
PDMSS	Programmed Depot Maintenance Scheduled System
RIA DSFS/BII	Rock Island Arsenal Distributed Shop Floor System
SAACONS	Standard Army Automated Contracting System
SAILS	Standard Army Intermediate Level Supply
SARSS	Standard Army Retail Supply System
SIFS	Standard Industrial Fund System
SOMARDS	OMA R&D System
SPBS-R	Standard Property Book System
SRD1	DFAS Distribution, Travel, Obligations
TAADS-R	The Army Authorization Documents System
TAMMIS	The Army Medical Management Information System
TAV	Total Asset Visibility
ULLS	Unit Level Logistics System
WVA MRP	Watervliet Arsenal Maintenance Resource Planning

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
DEFENSE INFORMATION SCHOOL	AFIS									X				
DEFENSE PHOTOGRAPHY SCHOOL	AFIS									X				
DEFENSE VISUAL INFORMATION CENTER	AFIS									X				
AFIS HEADQUARTERS	AFIS									X				
TELEVISION AUDIO SUPPORT ACTIVITY	AFIS									X				
AIRWORTHINESS QUAL TEST DIR (AWTD) (EDWARDS AFB)	AMC									X				
AMC EUROPE	AMC								X					
ARMY MATERIEL SYSTEMS ANALYSIS ACTIVITY	AMC								X	X				
AR RESEARCH OFC, NC	AMC								X	X		X		
AMC HQ	AMC							X	X	X				
EUROPEAN REDISTRIBUTION FACILITY (NABOLLENBACH)	AMC					X			X					
INSTALLATIONS AND SERVICES ACTY	AMC								X					
LOGISTICS SUPPORT ACTIVITY	AMC								X					
OFC OF PM SAUDI ARABIAN NG MODERIZATION PROG	AMC								X					
MANAGEMENT ENGINEERING ACTY	AMC								X					

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
OFC OF PM SAUDI ARABIAN NG MODERIZATION PROG	AMC								X					
AVIATION TECH TEST CEN (FT. RUCKER)	AMC/ FORSCOM								X	X				
ARMY RESEARCH LAB, ADELPHI	AMCOM						X	X	X					
AVIATION RESEARCH AND TECHNOLOGY ACTIVITY	AMCOM						X	X						
CMPSC	AMCOM					X	X	X	X					
2D MAINTENANCE CO	AMCOM								X					
TMDE CO AUG	AMCOM								X					
95TH MAINTENANCE CO	AMCOM								X					
95TH AUG CO	AMCOM								X					
HQ AMCOM	AMCOM						X	X				X	X	
REDSTONE ARS, MICOM	AMCOM					X	X	X	X					
REDSTONE TECHNICAL TEST CENTER	AMCOM								X					
TMDE SUPPORT GROUP, REGION 1 CHAMBERSBURG	AMCOM								X					
ARMY RESEARCH LAB, FT. MONMOUTH, NJ (ARL 4)	ARC								X					
SINGLE AGENCY MANAGER, D.C.	ARMY								X					

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
GENERAL MATERIEL AND PETROLEUM ACTIVITY	AWRSC							X						
EYGELSHOVEN, NETH (CEG-E)	AWRSC					X	X			X				
ZUTENDAAL, BELGIUM	AWRSC					X				X				
KAISERSLAUTERN, GE	AWRSC					X								
HYTHE DEPOT ACTIVITY, ENG	AWRSC					X	X							
MIESAU, GE	AWRSC					X								
BETTEMBOURG, LUX	AWRSC					X				X				
BRUNSSUM, NETH	AWSRC					X				X				
KERKRADE, NETH	AWSRC									X				
COEVORDEN, NETH	AWRSC					X				X				
VRIEZENVEEN, NETH	AWRSC					X				X				
NLPOMS (CONTRACTOR)	AWRSC									X				
AMERICAN CORMORANT	AWRSC					X								
CAMP DARBY, ITALY (CEB-SO)	AWRSC					X								
CAPE DECISION	AWRSC					X								

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
CAPE DOUGLAS	AWRSC					X								
CAPE HENRY	AWRSC					X								
COMBAT EQUIPMENT BASE - AFLOAT (CEB-AF), CHARLESTON	AWRSC			X		X	X		X					
SHUGHART	AWRSC					X								
GORDON	AWRSC					X								
YANO	AWRSC					X								
GILLILAND	AWRSC					X								
CAPE HORN	AWRSC					X								
CAPE HUDSON	AWRSC					X								
CAPE WASHINGTON	AWRSC					X								
CAPE WRATH	AWRSC					X								
GOPHER STATE	AWRSC					X								
GREEN HARBOUR	AWRSC					X								
GREEN VALLEY	AWRSC					X								
JEB STUART	AWRSC					X								

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
LTC TITUS	AWRSC					X								
SP5 GIBSON	AWRSC					X								
KUWAIT	AWRSC					X								
QATAR	AWRSC					X								
CAMP CARROLL, WAEGWAN	AWRSC/EUSA					X		X						
CAMP HIALEAH, PUSAN	AWRSC/EUSA					X		X						
SAGAMI AD, JAPAN	AWRSC/USARJ					X								
CHEMICAL RESEARCH DEVELOPMENT & ENG	CBDCOM													
ARMY CHEMICAL AGENT MUNITIONS, TOOELE, UT	CBDCOM								X	X				
PM CHEMICAL DEMILITARIZATION (W27p60)	CBDCOM													
ROCKY MOUNTAIN ARS	CBDCOM					X	X		X					
TECHNICAL ESCORT UNIT	CBDCOM								X					
CHEMICAL RESEARCH DEVELOPMENT & ENG	CBDCOM							X						
OFC OF THE PM FOR NUCLEAR MUNITIONS	CBDCOM							X						
PM CHEMICAL DEMILITARIZATION	CBDCOM							X						

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
AEESB, LAKEHURST, NJ	CECOM								X					
COMMUNICATIONS SECURITY LOGISTICS ACT	CECOM									X				
USA GARRISON, VINT HILL FARMS STATION	CECOM								X					
HQ CECOM	CECOM					X		X	X		X	X	X	
IEWD (VINT HILL FARMS)	CECOM								X					
IMMC (VINT HILL FARMS)	CECOM								X					
NIGHT VIS ELEC OPT LAB (FT. BELVOIR)	CECOM								X					
VINT HILL FARMS STATION	CECOM					X		X						
INDUSTRIAL LOGISTICS SYSTEMS CENTER	CECOM							X						
BETTEMBOURG, LUX	CEG-E					X				X				
BRUNSSUM, NETH	CEG-E					X				X				
KERKRADE, NETH WODA24	CEG-E									X				
COEVORDEN, NETH	CEG-E					X				X				
VRIEZENVEEN, NETH	CEG-E					X				X				
NASHVILLE	COE							X						

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
NAT RES DEV & ENGR CTR	COE								X		X			
WEST POINT MIL ACADEMY	CONSOL PBO								X					
DECA SOUTHERN	DECA									X				
DECA OPERATIONS CENTER	DECA									X				
DECA HEADQUARTERS	DECA									X				
DECA CENTRAL REGION	DECA									X				
DECA EUROPE (KAPUAN GERMANY)	DECA									X				
DECA MID WEST REGION	DECA									X				
DECA NORTH EAST REGION	DECA									X				
DECA NORTH WEST PACIFIC REGION HQ	DECA									X				
DECA SOUTH WEST REGION	DECA									X				
DFAS-CLEVELAND	DFAS									X				
DFAS-COLUMBUS	DFAS									X				
DFAS-DENVER	DFAS									X				
DFAS-FSA PENSACOLA	DFAS									X				

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
DFAS-HQ	DFAS									X				
DFAS-INDIANAPOLIS	DFAS									X				
DFAS-KANSAS CITY	DFAS									X				
OPLOC CHARLESTON	DFAS											X		
OPLOC DAYTON	DFAS											X		
OPLOC HONOLULU	DFAS											X		
OPLOC LAWTON	DFAS											X		
OPLOC LIMESTONE	DFAS											X		
OPLOC NORFOLK	DFAS											X		
OPLOC OAKLAND	DFAS											X		
OPLOC OMAHA	DFAS											X		
OPLOC ORLANDO	DFAS											X		
OPLOC PENSACOLA	DFAS											X		
OPLOC ROCK ISLAND	DFAS											X		
OPLOC ROME	DFAS											X		

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
OPLOC SAN ANTONIO	DFAS											X		
OPLOC SAN BERNADINO	DFAS											X		
OPLOC SAN DIEGO	DFAS											X		
OPLOC SEASIDE	DFAS											X		
OPLOC ST. LOUIS	DFAS											X		
HQ CLEVELAND CENTER	DFAS											X		
HQ COLUMBUS CENTER	DFAS											X		
DFAS HQ DENVER CENTER	DFAS											X		
HQ INDIANAPOLIS CENTER	DFAS											X		
HQ KANSAS CITY CENTER	DFAS											X		
HQ FSO	DFAS											X		
DFAS FSA	DFAS											X		
DFAS PSO	DFAS											X		
SLIDELL (H98338)	DISA									X				
ACOM (HC1033)	DISA									X				

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
NCR (HC1001)	DISA									X				
NCU (HC1001)	DISA									X				
FORT HUACHUCA (H91257)	DISA									X				
MACDILL AFB (WIAF9G)	DISA									X				
DISA EUROPE (WHKAA)	DISA, BU									X				
DITCO APO, DCS	DISA, PACIFIC									X				
PEARL HARBOR (HC1029)	DISA, PACIFIC									X				
OKINOWA, DIPC (498324)	DISA, PACIFIC									X				
GUAM FIELD OFFICE (HC002)	DISA, PACIFIC									X				
JAPAN, DIPC (H98279)	DISA, PACIFIC									X				
OKINAWA FIELD OFC (HC1006)	DISA, PACIFIC									X				
DISA - XXX (N90270)	DISA, PACIFIC									X				
KOREA (WT4G77)	DISA, PACIFIC									X				
JAPAN FIELD OFC (HC1011)	DISA, PACIFIC									X				
HQ DISA-FAC (HC1003)	DISA, PACIFIC									X				

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
DISA SOUTHERN COMMAND (PANAMA)	DISA-SOUTHERN CMD									X				
FT. RITCHIE	DISA-WESTHEIM									X				
DISA HQ DENVER	DISA-WESTHEIM									X				
DMC COLUMBUS (DMCUMA)	DISA-WESTHEIM									X				
DMC DENVER (DMCUMD)	DISA-WESTHEIM									X				
DMC MONTGOMERY (DMCUMG)	DISA-WESTHEIM									X				
DMC HUNTSVILLE (DMCUMH)	DISA-WESTHEIM									X				
DMC JACKSONVILLE (DMCUMJ)	DISA-WESTHEIM									X				
DMC SAN ANTONIO (DMCUMK)	DISA-WESTHEIM									X				
DMC ST LOUIS (DMCUML)	DISA-WESTHEIM									X				
DMC MECHANICSBURG (DMCUMG)	DISA-WESTHEIM									X				
DMC ROCK ISLAND (DMCUMR)	DISA-WESTHEIM									X				
DMC OKLAHOMA CITY (DMCUMT)	DISA-WESTHEIM									X				
DMC SAN DIEGO (DMCUMU)	DISA-WESTHEIM									X				
DMC CHAMBERSBURG (DMCUMV)	DISA-WESTHEIM									X				

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
DMC DAYTON (DMCUMW)	DISA-WESTHEIM									X				
DMC WARNER ROBINS (DMCUMX)	DISA-WESTHEIM									X				
DMC OGDEN (DMCUMY)	DISA-WESTHEIM									X				
DMC SACRAMENTO (DMCUMZ)	DISA-WESTHEIM									X				
DEFENSE ADMIN SPT CTR	DLA									X				
NORTH EAST	DLA									X				
CENTRAL	DLA									X				
SOUTH	DLA									X				
MID-WEST	DLA									X				
EUROPE	DLA									X				
NORTH WEST	DLA									X				
SOUTHWEST	DLA									X				
DEFENSE COMMISSARY AGENCY	DLA									X				
DEFENSE CONTRACT MGT DISTRICT - NE	DLA									X				
DEFENSE CONTRACT MGT DISTRICT - W	DLA									X				

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
DEFENSE DISTRIBUTION REGION EAST	DLA									X				
DEFENSE DISTRIBUTION REGION WEST (SHARPE SITE)	DLA									X				
DEFENSE FUELS SUPPLY CENTER	DLA									X				
DEFENSE GENERAL SUPPLY CENTER	DLA									X				
DEFENSE INDUSTRIAL SPT CTR	DLA									X				
DEFENSE LOGISTICS SERVICE CENTER HQ	DLA									X				
DEFENSE NATIONAL STOCKPILE CTR	DLA									X				
DEFENSE PERSONNEL SUPPORT CENTER	DLA									X				
DEFENSE REUTILIZATION AND MARKETING SERVICE	DLA									X				
DEFENSE SUPPLY CENTER COLUMBUS & DESC	DLA									X				
DEFENSE TECH INSTITUTE CTR	DLA									X				
DEFENSE SYSTEMS DESIGN CTR	DLA									X				
DEFENSE NATIONAL IMAGERY & MAPPING AGENCY	DM									X				
AMC HQ	DSS-W							X	X	X				
HOFFMAN BLDG II (RM GS-19)	DSS-W							X						

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
KINGMAN BLDG 2593 (RM S-2)	DSS-W							X						
NASSIF BLDG (RM 219)	DSS-W							X						
PNT (RM 1E700)	DSS-W							X						
PNT (RM 3C157)	DSS-W							X						
PNT (RM 4A, 3&4 CORR)	DSS-W							X						
PULASKI BLDG (RM 1123)	DSS-W							X						
SKYLINE 6 (RM 311)	DSS-W							X						
PARK CENTER	DSS-W							X						
FT. BELVOIR	DSS-W							X						
ROSSLYN	DSS-W							X						
EXECUTIVE DIRECTOR F/CONVENTIONAL AMMUNITION	EDCA								X					
FT. HOOD	FORSCOM								X					
CENTRAL AMMUNITION MANAGEMENT OFFICE PACIFIC	IOC								X					
DEFENSE AMMUNITION CENTER AND SCHOOL	IOC								X					
ALABAMA AAP	IOC								X					

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
ANAD	IOC	X			X		X	X		X	X	X		
BADGER AAP	IOC								X					
BLUEGRASS AD	IOC				X	X	X	X	X	X	X	X		
CHEMICAL RD&EC	IOC								X					
CORNHUSKER AAP	IOC								X					
CORPUS CHRISTI AD	IOC	X					X		X	X	X	X		
CRANE AAP	IOC	X			X	X	X		X	X	X	X		
HAWTHORNE AD	IOC				X	X	X		X		X			
HOLSTON AAP	IOC								X					
HYTHE DA	IOC			X		X	X		X	X				
INDIANA AAP	IOC								X					
IOWA AAP	IOC								X					
JOLIET AAP	IOC								X					
KANSAS AAP	IOC								X					
LAKE CITY AAP	IOC				X	X			X					

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
LEGHORN DA	IOC			X	X	X			X					
LETTERKENNY AD	IOC	X			X		X		X	X	X	X		
LONE STAR AAP	IOC								X					
LONGHORN AAP	IOC								X					
LOUISIANA AAP	IOC								X					
McALESTER AAP	IOC	X			X	X	X	X	X	X	X	X		
MILAN AAP	IOC								X					
MISSISSIPPI AAP	IOC								X					
PINE BLUFF ARS	IOC						X	X	X	X	X	X		
PUEBLO DA	IOC				X	X	X	X	X		X	X		
RADFORD AAP	IOC								X					
RAVENNA AAP	IOC								X					
RED RIVER AD	IOC	X			X		X	X	X	X	X	X		
RIVERBANK AAP	IOC								X					
ROCK ISLAND ARS	IOC					X	X	X	X	X	X	X		

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
SAVANNA DA	IOC				X	X	X		X	X	X	X		
SCRANTON AAP	IOC								X					
SENECA DA	IOC				X	X	X	X	X		X	X		
SIERRA AD	IOC				X	X	X	X	X	X	X	X		
SUNFLOWER AAP	IOC								X					
TOBYHANNA AD	IOC	X					X	X	X	X	X	X		
TOOELE AD	IOC				X		X	X	X		X	X		
TWIN CITIES AAP	IOC								X					
UMATILLA DA	IOC				X	X	X	X	X	X	X	X		
VOLUNTEER AAP	IOC								X					
WATERVLIET ARS	IOC					X	X	X	X			X	X	
HQ, U.S. MARINE CORPS	MC									X				
HENDERSON HALL	MC									X				
FISC-NORFOLK	NAVY									X		X		
FISC-SAN DIEGO (FICSSD)	NAVY									X		X		

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
US NAVAL ACADEMY	NAVY									X				
NAVY STRATEGIC SYSTEM PROGRAM	NAVY									X				
NAVAL ACADEMY BOQ	NAVY									X				
NAVY FLEET SURV SPT COMMAND, VA	NAVY									X				
FISC, OAKLAND	NAVY										X			
FISC, PEARL HARBOR	NAVY										X			
FISC, PUGET SOUND	NAVY										X			
FISC, JACKSONVILLE	NAVY										X			
FOSSAC, NORFOLK	NAVY										X			
FMSO, MECHANICSBURG	NAVY										X			
NAVICP, MECHANICSBURG	NAVY										X			
NAVICP, PHILADELPHIA	NAVY										X			
GROTON, CT	NGB		X											
GULFPORT, MS	NGB		X											
AL (MONTGOMERY)	NGB							X						

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
AR (LITTLE ROCK)	NGB							X						
AZ (PHOENIX)	NGB							X						
CA (SAN LUIS OBISPO)	NGB							X						
CO (GOLDEN)	NGB							X						
CN (WINSOR LOCKS)	NGB							X						
DC (WASH)	NGB							X						
DE (NEW CASTLE)	NGB							X						
FL (CAMP BLANDING)	NGB							X						
GA (ATLANTA)	NGB							X						
GUAM (N.A.S.)	NGB							X						
HI (HONOLULU)	NGB							X						
IA (JOHNSON)	NGB							X						
ID (BOISE)	NGB							X						
IL (SPRINGFIELD)	NGB							X						
IN (INDIANAPOLIS)	NGB							X						

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
KS (TOPEKA)	NGB							X						
KY (FRANKFURT)	NGB							X						
LA (PINEVILLE)	NGB							X						
ME (AUGUSTA)	NGB							X						
MD (HAVRE DE GRACE)	NGB							X						
MA (NATICK)	NGB							X						
MI (LANSING)	NGB							X						
MN (LITTLE FALLS)	NGB							X						
MS (JACKSON)	NGB							X						
MO (JEFFERSON CITY)	NGB							X						
MT (HELENA)	NGB							X						
NC (RALEIGH)	NGB							X						
ND (BISMARK)	NGB							X						
NE (LINCOLN)	NGB							X						
NH (CONCORD)	NGB							X						

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
NJ (LAWRENCEVILLE)	NGB							X						
NM (SANTE FE)	NGB							X						
NV (CARSON CITY)	NGB							X						
NY (PEEKSKILL)	NGB							X						
OH (NEWARK)	NGB							X						
OK (OK CITY)	NGB							X						
OR (CLACKAMAS)	NGB							X						
PA (ANNVILLE)	NGB							X						
P. R. (FT. BUCHANON)	NGB							X						
RI (PROVIDENCE)	NGB							X						
SC (COLUMBIA)	NGB							X						
SD (RAPID CITY)	NGB							X						
TN (NASHVILLE)	NGB							X						
TX (AUSTIN)	NGB							X						
UT (DRAPER)	NGB							X						

ILSC CUSTOMERS

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		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
VA (RICHMOND)	NGB							X						
VT (WINOOSKI)	NGB							X						
WA (TAKOMA)	NGB							X						
WI (CAMP DOUGLAS)	NGB							X						
WV (BUCKHANNON)	NGB							X						
WY (GUERNSEY)	NGB							X						
FRESNO, CA	NGB		X											
SPRINGFIELD, MO	NGB		X											
EDGEWOOD STORAGE ACTIVTIY	SATELLITE OF APG						X							
COROSAL MIL COMPLEX	SOUTHCOM							X						
HONDURAS-SOTO CANO AFB	SOUTHCOM							X						
INDUSTRIAL ENGINEERING ACTIVITY	SRA							X						
INSPECTOR GENERAL ACTIVITY	SRA							X						
~~TEST MEASUREMENT &~~ DIAGNOSTIC EQUIP SPT ACTY - CONUS	SRA							X						
SOLDIER SYS COMMAND	SSCOM							X	X					

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
OFC OF THE PM TRAINING DEVICES ~~ARMAMENT AND CHEMICAL~~	STRICOM								X					
ACQUISITION AND LOGISTICS ACTIVITY (ACALA)	TACOM								X					
DETROIT ARSENAL TANK PLANT	TACOM					X			X					
HQ TACOM	TACOM								X	X		X	X	X
ARDEC (PICATINNY ARSENAL)	TACOM					X	X	X	X			X	X	X
OFFICE OF PROJECT MGR LIGHT ARMORED VEHICLES	TACOM								X					
TACOM SUPPORT ACTIVITY SELFRIDGE	TACOM								X					
TANK AUTOMOTIVE RESEARCH DEV & ENGINEERING CEN	TACOM								X					
CHEM AGEN MUN DISP SYSTEM	TEAD							X						
ABERDEEN PROVING GROUND SUPPORT ACTIVITY	TECOM									X				
ABERDEEN	TECOM						X		X					
WATERTOWN	TECOM							X	X					
GARRISON ABERDEEN PROVING GROUND	TECOM								X					
ABERDEEN PG	TECOM				X		X	X	X				X	X
CRTC (FT. GREELY)	TECOM									X				

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
ABERDEEN TEST CTR	TECOM								X	X				
DUGWAY PG	TECOM					X	X	X	X	X		X		X
WHITE SANDS MR	TECOM					X	X	X	X			X	X	X
YUMA PG	TECOM					X	X	X	X	X				X
ABERDEEN PG	TECOM										X			
DUGWAY PG	TECOM										X			
YUMA PG	TECOM										X			
WHITE SANDS MR	TECOM										X			
USA TMDE SUPPORT REGION 2 REDSTONE ARSENAL	TMDE SPT ACT							X						
TMDE SUPPORT GROUP, REGION 3 WHITE SANDS	TMDE SPT ACT							X	X					
ARMY RESEARCH LAB ADELPHI	TMDE SPT ACT						X	X						
ALMC (FT. LEE)	TRADOC								X	X				
APPLIED TECH DIR (FT. EUSTIS)	TRADOC							X	X	X		X		
FORT MONMOUTH, NJ	TRADOC						X						X	
MANAGEMENT ENGINEERING COLLEGE	TRADOC							X						

ILSC CUSTOMERS

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		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
CAMP HENRY, TAEGU	USAPAC							X						
CAMP HUMPHREYS, PYONGTAEK	USAPAC							X						
CAMP MOBILE, TONGDUCHON	USAPAC							X						
CAMP CASEY	USAPAC							X						
CAMP ZAMA	USAPAC					X		X						
FT. GREELY	USAPAC							X						
FT. SHAFTER	USAPAC					X		X						
FT. WAINWRIGHT	USAPAC							X						
SAGAMI	USAPAC					X								
YONGSAN, SEOUL	USAPAC					X								
HQ USAREUR	USAREUR					X								
AUGSBURG, GE (6TH ASG)	USAREUR							X						
BAD KREUZNACH, GE (53RD ASG)	USAREUR							X						
BAUMHOLDER, GE (53RD ASG)	USAREUR							X						
CHIEVRES, BEL (80TH ASG)	USAREUR							X						

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
HEIDELBERG, GE (26TH ASG)	USAREUR							X						
HOHENFELS, GE (100TH ASG)	USAREUR							X						
KAISERSLAUTERN, GE (29TH ASG)	USAREUR							X						
LIVORNO, IT (104TH ASG)	USAREUR							X						
MANNHEIM, GE (29TH ASG)	USAREUR							X						
ROEDELHEIM, GE (104TH ASG)	USAREUR							X						
SHINNEN, NETH (80TH ASG)	USAREUR							X						
STUTTGART, GE (6TH ASG)	USAREUR							X						
VICENZA, IT (SETAF HQ)	USAREUR							X						
VILSECK, GE (100TH ASG)	USAREUR							X						
WUERZBURG, GE (98TH ASG)	USAREUR							X						
USASAC NEW CUMBERLAND	USASAC									X				
FIELD SERVICES ACTIVITY									X					
OFC OF THE PM FOR NUCLEAR MUNITIONS									X					
PHOS DEV WORKS (MOD)									X					

ILSC CUSTOMERS

CUTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
PM CHEMICAL DEMILITARIZATION									X					
POLICE UNIT S									X					
PRODUCTION BASE MODERNIZATION ACTIVITY									X					
SCHOOL OF ENGNRNG AND LOGTICS									X					
SECURITY AFFAIRS COMMAND									X					
TMDE SUPPORT GROUP									X					
WEST POINT MIL ACADEMY								X		X				
WHITE HOUSE COMMO AGY								X						

NOTES

INFORMATION TECHNOLOGY TRANSITION ISSUES

Information Technology Transition Issues

MR. BRAD BLAU

SENIOR SYSTEMS ENGINEER
AMC EXECUTIVE AGENT FOR INFORMATION MANAGEMENT,
INFORMATION SYSTEMS ENGINEERING COMMAND
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ADVANCE PLANNING BRIEFING FOR INDUSTRY

"LOGISTICS MODERNIZATION AWARENESS DAY"

INFORMATION TECHNOLOGY TRANSITION ISSUES

21 October 1997

Briefer

Mr. Brad Blau

Senior Systems Engineer

AMC EXECUTIVE AGENT - INFORMATION MANAGEMENT

SPECIAL PROJECT OFFICE

UNCLASSIFIED

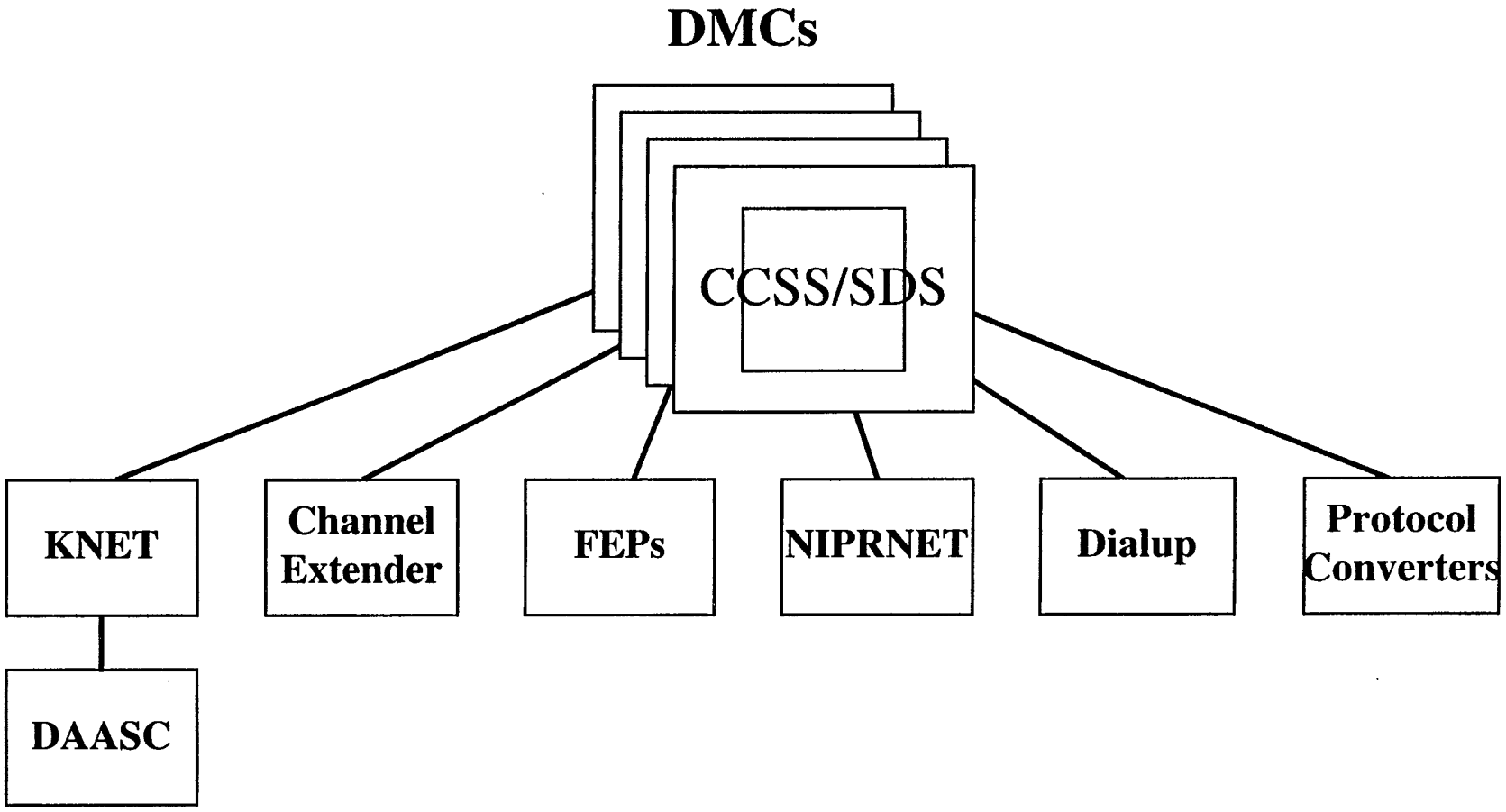
OUTLINE

- **HIGHLIGHT TECHNICAL ISSUES**
  - **SECURITY**
  - **ACCESS**
  - **ARCHITECTURE**
- **RECORD - TRY TO ANSWER YOUR QUESTIONS**

SECURITY

- **ALL PROCESSING IS UNCLASSIFIED**
- **NETWORKS ARE NOT SECURE**
- **DMCs ON MILITARY INSTALLATIONS (REASONABLE SECURITY)**

ACCESS TO CCSS/SDS



ARCHITECTURE

- **PLANS CALL FOR AMC TO FOLLOW THE GUIDELINES OF THE DOD INTEROPERABLE INFORMATION ENVIRONMENT (IIE)**

ARCHITECTURE (CONT)

- **CHALLENGE**
  - **MOVE FROM BATCH-ORIENTED LEGACY SYSTEMS TO REAL TIME UPDATES**
  - **SUPPORT REDESIGN OF FUNCTIONAL PROCESSES (ICS3, DFAS . . .)**
  - **INTEGRATE WHOLESALE AND RETAIL LOGISTICS (ICS3)**

QUESTIONS

- **WHAT ARE YOUR QUESTIONS?**

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